

AUTHOR INDEX

Volumes 100, 101, 102, and 103, 1995

- ABHISHEK, K.: see Tseng, L.-K.
- ABOU-ALLAIL, M. M. M.: see Chan, S. H.
- AGUERRE, F.: see Rolon, J. C.
- AHO, M. J., PAAKINEN, K. M., PIRKONEN, P. M., KILPINEN, P., and HUPA, M. The Effects of Pressure, Oxygen Partial Pressure, and Temperature on the Formation of N_2O , NO , and NO_2 from Pulverized Coal, 102: 387
- ALDUSHIN A. P., MATKOWSKY B. J., and VOLPERT, V. A. Stoichiometric Flames and Their Stability, 101: 15
- ALIGROT, C.: see Sahetchian, K.
- ALTENKIRCH, R. A.: see Ramachandra, P. A.
- ANDERSON, C. F.: see Shampine, R. W.
- ANNAMALAI, K.: see Kharbat, E.
- ARPACI, V. S., and LI, C. Y. Turbulent Forced Diffusion Flames, 102: 170
- AUNG, K. T., TSENG, L.-K., ISMAIL, M. A., and FAETH, G. M. Response to Comment by S. C. Taylor and D. B. Smith on "Laminar Burning Velocities and Markstein Numbers of Hydrocarbon/Air Flames, 102: 526
- AXELBAUM, R. L.: see Du, D. X.
- AXELBAUM, R. L.: see Du, J.
- AXELBAUM, R. L.: see Dufaux, D. P.
- BABKIN, V. S.: see Koshkin, B. Yu.
- BACHMANN, M., WIESE, W., and HOMANN, K.-H. Fullerenes Versus Soot in Benzene Flames, 101: 548
- BAILLOT, F.: see Durox, D.
- BALAKRISHNAN, G., SMOKEE, M. D., and WILLIAMS, F. A. A Numerical Investigation of Extinction and Ignition Limits in Laminar Nonpremixed Counterflowing Hydrogen-Air Streams for Both Elementary and Reduced Chemistry, 102: 329
- BARDON, M. F.: see Rao, V. K.
- BARLOW, R. S.: see Smith, L. L.
- BARONNET, F.: see Walravens, B.
- BARTHOLOMEW, C. H.: see Gale, T. K.
- BAR-YOSEPH, P.: see Moses, E.
- BAR-ZIV, E.: see Weiss, Y.
- BATTIN-LECLERC, F.: see Walravens, B.
- BAYAZITOGLU, Y.: see Shampine, R. W.
- BÉDAT, B., and CHENG, R. K. Experimental Study of Premixed Flames in Intense Isotropic Turbulence, 100: 485
- BERMUEZ, G., and PFEFFERLE, L. Laser Ionization Time-of-Flight Mass Spectrometry Combined with Residual Gas Analysis for the Investigation of Moderate Temperature Benzene Oxidation, 100: 41
- BEZMELNITSIN, A. V.: see Dorochev, S. B.
- BHATIA, R., and SIRIGNANO, W. A. Flame Propagation in Metal Slurry Sprays, 100: 605
- BHATTACHARJEE, S.: see Ramachandra, P. A.
- BISH, E. S., and DAHM, W. J. A. Strained Dissipation and Reaction Layer Analyses of Nonequilibrium Chemistry in Turbulent Reaction Flows, 100: 457
- BLACKHAM, A. U.: see Monson, C. R.
- BLAKE, T. R., and MCDONALD, M. Similitude and the Interpretation of Turbulent Diffusion Flames, 101: 175
- BLIN-SIMIAND, N.: see Sahetchian, K.
- BOOL, L. E., III, PETERSON, T. W., and WENDT, J. O. L. The Partitioning of Iron during the Combustion of Pulverized Coal, 100: 262
- BOWMAN, C. T.: see Padmanabhan, K. T.
- BRANCH M. C.: see Vandooren J.
- BREWSTER, M. Q.: see Son, S. F.
- BREWSTER, Q., and SON, S. F. Quasi-Steady Combustion Modeling of Homogeneous Solid Propellants, 103: 11
- BRILL, T. B.: see Williams, G. K.
- BRILLARD, A.: see Gilot, P.
- BRINDLEY, J.: see Johnson, R. G.
- BRIZUELA, V. Errors Due to Correlations in Evaluating Mean Density from Favre-Averaged Enthalpy and Composition in Turbulent Reactive Flow, 103: 343
- BROUILLETTE, M.: see Lee, J. J.
- BROWN, R. C., KOLB, C. E., YETTER, R. A., DRYER, F. L., and RABITZ, H. Kinetic Modeling and Sensitivity Analysis for B/H/O/C/F Combination Systems, 101: 221

AUTHOR INDEX

Volumes 100, 101, 102, and 103, 1995

- ABHISHEK, K.: see Tseng, L.-K.
- ABOU-ALLAIL, M. M. M.: see Chan, S. H.
- AGUERRE, F.: see Rolon, J. C.
- AHO, M. J., PAAKINEN, K. M., PIRKONEN, P. M., KILPINEN, P., and HUPA, M. The Effects of Pressure, Oxygen Partial Pressure, and Temperature on the Formation of N_2O , NO , and NO_2 from Pulverized Coal, 102: 387
- ALDUSHIN A. P., MATKOWSKY B. J., and VOLPERT, V. A. Stoichiometric Flames and Their Stability, 101: 15
- ALIGROT, C.: see Sahetchian, K.
- ALTENKIRCH, R. A.: see Ramachandra, P. A.
- ANDERSON, C. F.: see Shampine, R. W.
- ANNAMALAI, K.: see Kharbat, E.
- ARPACI, V. S., and LI, C. Y. Turbulent Forced Diffusion Flames, 102: 170
- AUNG, K. T., TSENG, L.-K., ISMAIL, M. A., and FAETH, G. M. Response to Comment by S. C. Taylor and D. B. Smith on "Laminar Burning Velocities and Markstein Numbers of Hydrocarbon/Air Flames, 102: 526
- AXELBAUM, R. L.: see Du, D. X.
- AXELBAUM, R. L.: see Du, J.
- AXELBAUM, R. L.: see Dufaux, D. P.
- BABKIN, V. S.: see Koshkin, B. Yu.
- BACHMANN, M., WIESE, W., and HOMANN, K.-H. Fullerenes Versus Soot in Benzene Flames, 101: 548
- BAILLOT, F.: see Durox, D.
- BALAKRISHNAN, G., SMOKEE, M. D., and WILLIAMS, F. A. A Numerical Investigation of Extinction and Ignition Limits in Laminar Nonpremixed Counterflowing Hydrogen-Air Streams for Both Elementary and Reduced Chemistry, 102: 329
- BARDON, M. F.: see Rao, V. K.
- BARLOW, R. S.: see Smith, L. L.
- BARONNET, F.: see Walravens, B.
- BARTHOLOMEW, C. H.: see Gale, T. K.
- BAR-YOSEPH, P.: see Moses, E.
- BAR-ZIV, E.: see Weiss, Y.
- BATTIN-LECLERC, F.: see Walravens, B.
- BAYAZITOGLU, Y.: see Shampine, R. W.
- BÉDAT, B., and CHENG, R. K. Experimental Study of Premixed Flames in Intense Isotropic Turbulence, 100: 485
- BERMUEZ, G., and PFEFFERLE, L. Laser Ionization Time-of-Flight Mass Spectrometry Combined with Residual Gas Analysis for the Investigation of Moderate Temperature Benzene Oxidation, 100: 41
- BEZMELNITSIN, A. V.: see Dorochev, S. B.
- BHATIA, R., and SIRIGNANO, W. A. Flame Propagation in Metal Slurry Sprays, 100: 605
- BHATTACHARJEE, S.: see Ramachandra, P. A.
- BISH, E. S., and DAHM, W. J. A. Strained Dissipation and Reaction Layer Analyses of Nonequilibrium Chemistry in Turbulent Reaction Flows, 100: 457
- BLACKHAM, A. U.: see Monson, C. R.
- BLAKE, T. R., and MCDONALD, M. Similitude and the Interpretation of Turbulent Diffusion Flames, 101: 175
- BLIN-SIMIAND, N.: see Sahetchian, K.
- BOOL, L. E., III, PETERSON, T. W., and WENDT, J. O. L. The Partitioning of Iron during the Combustion of Pulverized Coal, 100: 262
- BOWMAN, C. T.: see Padmanabhan, K. T.
- BRANCH M. C.: see Vandooren J.
- BREWSTER, M. Q.: see Son, S. F.
- BREWSTER, Q., and SON, S. F. Quasi-Steady Combustion Modeling of Homogeneous Solid Propellants, 103: 11
- BRILL, T. B.: see Williams, G. K.
- BRILLARD, A.: see Gilot, P.
- BRINDLEY, J.: see Johnson, R. G.
- BRIZUELA, V. Errors Due to Correlations in Evaluating Mean Density from Favre-Averaged Enthalpy and Composition in Turbulent Reactive Flow, 103: 343
- BROUILLETTE, M.: see Lee, J. J.
- BROWN, R. C., KOLB, C. E., YETTER, R. A., DRYER, F. L., and RABITZ, H. Kinetic Modeling and Sensitivity Analysis for B/H/O/C/F Combination Systems, 101: 221

- BRUN, M.: see Sahetchian, K.
- BUCKMASTER, J.: see Lozinski, D.
- BULZAN, D. L.: see Levy, Y.
- BUNEV, V. A.: see Koshkin, B. Yu.
- BUSBY, W. F., JR.: see Howard, J. B.
- CANDEL, S.: see Rolon, J. C.
- CARD, J. B. A., and JONES, A. R.
- A Drop Tube Furnace Study of Coal Combustion and Unburned Carbon Content Using Optical Techniques, 101: 539
- CARLIER, M.: see Minetti R.
- CARRIER, G. F., FENDELL, F. E., and FINK, S. F., IV.
- Nonintrusive Stabilization of a Conical Detonation Wave for Supersonic Combustion, 103: 281
- CARTER, C. D.: see Smith, L. L.
- CARVALHO, M. G.: see Köylü, Ü. Ö.
- CATHONNET, M.: see Daugaut, P.
- CATLIN, C. A., FAIRWEATHER, M., and IBRAHIM, S. S.
- Predictions of Turbulent, Premixed Flame Propagation in Explosion Tubes, 102: 115
- CETEGEN, B. M., and HERMANSON, J. C.
- Mixing Characteristics of Compressible Vortex Rings Interacting with Normal Shock Waves, 100: 232
- CHAMPOUSSIN, J. C.: see Sahetchian, K.
- CHAN, C. K.
- Collision of a Shock Wave with Obstacles in a Combustible Mixture, 100: 341
- CHAN, S. H., PAN, X. C., and ABOU-ALLAIL, M. M. M.
- Flamelet Structure of Radiating CH_4 -Air Flames, 102: 438
- CHEN, C. L., and SOHRAB, S. H.
- Upstream Interactions between Planar Symmetric Laminar Methane Premixed Flames, 101: 360
- CHEN, J. H.: see Mahalingam, S.
- CHEN, H.: see Kern, R. D.
- CHEN, L.-D.: see Hsu, K.-Y.
- CHEN, W. S.: see Jiang, T. L.
- CHEN, Y.: see Delichatsios, M. A.
- CHEN, Z. H., and SOHRAB, S. H.
- Flammability Limit and Limit-Temperature of Counterflow Lean Methane-Air Flames, 102: 193
- CHENG, R. K.: see Bédat, B.
- CHENG, R. K.: see Kostiuk, L. W.
- CHENG, R. K.
- Velocity and Scalar Characteristics of Premixed Turbulent Flames Stabilized by Weak Swirl, 101: 1
- CHESKIS, S.
- Mechanism of Sulfur Chemiluminescent Emission in Pulsed Flames, 100: 550
- CHIU, H. H.: see Jiang, T. L.
- CHO, S., and NIKSA, S.
- Elementary Reaction Models and Correlations for Burning Velocities of Multicomponent Organic Fuel Mixtures, 101: 411
- CHO, S., MARLOW, D., and NIKSA, S.
- Burning Velocities of Multicomponent Organic Fuel Mixtures Derived from Various Coals, 101: 399
- CHOI, M. Y.: see Vander Wal R. L.
- CHOI, M. Y., MULHOLLAND, G. W., HAMINS, A., and KASHIWAGI, T.
- Comparisons of the Soot Volume Fraction Using Gravimetric and Light Extinction Techniques, 102: 161
- CHOMIAK, J., and NISBET, J. R.
- Modeling Variable Density Effects in Turbulent Flames—Some Basic Considerations, 102: 371
- CHOU, T., and PATTERSON, D. J.
- In-Cylinder Measurement of Mixture Maldistribution in an L-Head Engine, 101: 45
- CLARKE, J. F.: see Dold, J. M.
- CLEMENS N. T., and PAUL, P. H.
- Effects of Heat Release on the Near Field Flow Structure of Hydrogen Jet Diffusion Flames, 102: 271
- CLOTHIER, P. Q. E., SHEN, D., and PRITCHARD, H. O.
- Stimulation of Diesel-Fuel Ignition by Benzyl Radicals, 101: 383
- COHEN, R. B.: see Spiglanin, T. A.
- COHEN, R. D.: see Shampine, R. W.
- COIMBRA, C. F. M., and QUIEROZ, M.
- Evaluation of a Dimensionless Group Number to Determine Second-Einstein Temperatures in a Heat Capacity Model for All Coal Ranks, 101: 209
- COLLINS, L. R.: see Dandekar, A.
- CÔME, G. M.: see Walravens, B.
- CORREA, S. M.
- A Direct Comparison of Pair-Exchange and IEM Models in Premixed Combustion, 103: 194
- CORREA S. M.
- Perturbation Analysis of a Catalytic Combustor, 102: 205
- COZZANI, V., PETARCA, L., PINTUS, S., and TOGNOTTI, L.
- Ignition and Combustion of Single, Levitated Char Particles, 103: 181

- CRESPO, A.: *see* Hernández J.
- CUDIZILO, S., MARANDA, A., NOWACZEWSKI, J., and TRCÍNSKI, W.
- Shock Initiation Studies of Ammonium Nitrate Explosives, 102: 64
- DAGAUT, P.: *see* Ranzi, E.
- DAHIM, D. J. A.: *see* Bish, E. S.
- DAHIM, W. J. A.: *see* Everest, D. A.
- DANDEKAR, A., and COLLINS, L. R.
- Effect of Nonunity Lewis Number on Premixed Flame Propagation through Isotropic Turbulence, 101: 428
- DAOU, J., HALDENWANG, P., and NICOLI, C.
- Supercritical Burning of Liquid Oxygen (LOX) Droplet with Detailed Chemistry, 101: 153
- DAUGAUT, P., REUILLOON, M., and CATHONNET, M.
- Experimental Study of the Oxidation of *n*-Heptane in a Jet Stirred Reactor from Low to High Temperature and Pressures up to 40 Atm, 101: 132
- DAVIS, K. A., HURT, R. H., YANG, N. Y. C., and HEADLEY, T. J.
- Evolution of Char Chemistry, Crystallinity, and Ultrafine Structure During Pulverized-Coal Combustion, 100: 31
- DAVIS, M. R., and LIN, L. H.
- Structures Induced by Periodic Acoustic Excitation of a Diffusion Flame, 103: 151
- DE GOEY, L. P. H.: *see* Eggels, R. L. G. M.
- DELFOSSÉ, L.: *see* Therssen, E.
- DELICHTSIOS, M.: *see* Delichatsios, M. A.
- DELICHTSIOS, M. A., DELICHTSIOS, M., CHEN, Y., and HASEMI, Y.
- Similarity Solutions and Applications to Turbulent Upward Flame Spread on Noncharring Materials, 102: 357
- DELLINGER, B.: *see* Sidhu, S. S.
- DESCHAMPS, B. M.: *see* Smallwood, G. J.
- DDIBBLE, R. W.: *see* Nguyen, Q. V.
- DIBBLE, R. W.: *see* Smith, L. L.
- DI BLASI, C.
- Predictions of Wind-Opposed Flame Spread Rates and Energy Feedback Analysis for Charring Solids in a Microgravity Environment, 100: 332
- DI BLASI, C., and WICHMAN, I. S.
- Effects of Solid-Phase Properties on Flames Spreading over Composite Materials, 102: 229
- DOBINS, R. A., FLETCHER, R. A., and LU, W.
- Laser Microprobe Analysis of Soot Precursor Particles and Carbonaceous Soot, 100: 301
- DOLD, J. M., and JOULIN, G.
- An Evolution Equation Modeling Inversion of Tulip Flames, 100: 450
- DOLD, J. M., SHORT, M., CLARKE, J. F., and NIKIFORAKIS, N.
- Accumulating Sequence of Ignitions from a Propagating Pulse, 100: 465
- DOLD, J. W., KERR, O. S., and NIKOLOVA, I. P.
- Flame Propagation through Periodic Vortices, 100: 359
- DOROFEEV, S. B., BEZMELNITSIN, A. V., and SIDOROV, V. P.
- Transition to Detonation in Vented Hydrogen-Air Explosions, 103: 243
- DOUGLASS, C. H., LADOUCEUR, H. D., SHAMAMIAN, V. A., and MCDONALD, L. R.
- Combustion Chemistry in Premixed $C_2F_4-O_2$ Flames, 100: 529
- DRAKE, M. C.: *see* Mueller, C. J.
- DREIZIN, E. L., and TRUNOV, M. A.
- Surface Phenomena in Aluminum Combustion, 101: 378
- DRISCOLL, J. F.: *see* Everest, D. A.
- DRISCOLL, J. F.: *see* Mueller, C. J.
- DRYER, F. L.: *see* Brown, R. C.
- DRYER, F. L.: *see* Lee, J. C.
- DRYER, F. L.: *see* Roesler, J. F.
- DU, D. X., AXELBAUM, R. L., and LAW, C. K.
- Soot Formation in Strained Diffusion Flames with Gaseous Additives, 102: 11
- DU, J., and AXELBAUM, R. L.
- Effect of Flame Structure on Soot-Particle Inception in Diffusion Flames, 100: 367
- DUFaux, D. P., and AXELBAUM, R. L.
- Nanoscale Unagglomerated Nonoxide Particles from a Sodium Coflow Flame, 100: 350
- DUIJN, N. J.: *see* Hernández J.
- DUROX, D., YUAN, T., BAILLOT, F., and MOST, J. M.
- Premixed and Diffusion Flames in a Centrifuge, 102: 501
- EBBINGHAUS, B. B.
- Thermodynamics of Gas Phase Chromium Species: The Chromium Chlorides, Oxychlorides, Fluorides, Oxyfluorides, Hydroxides, Oxyhydroxides, Mixed Oxyfluorochlorohydroxides, and Volatility Calculations in Waste Incineration Processes, 101: 311
- EDGAR, B. L.: *see* Nguyen, Q. V.
- EGGELS, R. L. G. M., and DE GOEY, L. P. H.
- Mathematically Reduced Reaction Mechanisms Applied to Adiabatic Flat Hydrogen/Air Flames, 100: 559
- ENG, J. A., ZHU, D. L., and LAW, C. K.

- On the Structure, Stabilization, and Dual Response of Flat-Burner Flames, 100: 645
- ERSHOV, A. P.
Isothermal Detonation, 101: 339
- EVEREST, D. A., DRISCOLL, J. F., DAHM, W. J. A., and FEIKEMA, D. A.
Images of the Two-Dimensional Field and Temperature Gradients to Quantify Mixing Rates within a Non-Premixed Turbulent Jet Flame, 101: 58
- FAETH, G. M.: see Aung, K. T.
FAETH, G. M.: see Köylü, Ü. Ö.
FAETH, G. M.: see Sunderland, P. B.
FAIRWEATHER, M.: see Catlin, C. A.
FARAVELLI, T.: see Ranzi, E.
FARIAS, T. L.: see Köylü, Ü. Ö.
FEIKEMA, D. A.: see Everest, D. A.
FENDELL, F. E.: see Carrier, G. F.
FERNANDEZ-PELLO, A. C.: see Schult, D. A.
FINK, S. F., IV.: see Carrier, G. F.
FLEMING, J. W.: see Williams, B. A.
FLETCHER, R. A.: see Dobbins, R. A.
FLETCHER, T. H.: see Gale, T. K.
FOTOU, G. P., SCOTT, S. J., and PRATSINIS, S. E.
The Role of Ferrocene in Flame Synthesis of Silica, 101: 529
- FOURNIER, E. W.: see Spiglanin, T. A.
FOWLES, M.: see Griffin, T.
FRENKLACH, M.: see Kazakov, A.
FROST, D. L.: see Lee, J. J.
FROUD, D., O'DOHERTY, T., and SYRED, N.
Phase Averaging of the Precessing Vortex Core in a Swirl Burner under Piloted and Premixed Combustion Conditions, 100: 407
- FU, W. B., and ZHANG, B. L.
Experimental Determination of the Equivalent Mass Diffusivity for a Porous Coal-Ash Particle, 101: 371
- FUERTES, A. B.: see Marban, G.
FUJIWARA, T.: see Lefebvre, M. H.
GAFFURI, P.: see Ranzi, E.
GALE, T. K., BARTHOLOMEW, C. H., and FLETCHER, T. H.
Decreases in the Swelling and Porosity of Bituminous Coals during Devolatilization at High Heating Rates, 100: 94
- GERHOLD, B. W., and INKrott, K. E.
Nonoxide Ceramic Powder Synthesis, 100: 144
- GERMANE, G. J.: see Monson, C. R.
GHONIEM, A. F.: see Petrov, C. A.
GILLOT, P., BRILLARD, A., and STANMORE, B. R.
Geometric Effects on Mass Transfer during Thermogravimetric Analysis: Application to Reactivity of Diesel Soot, 102: 471
- GÖKALP, I.: see Smallwood, G. J.
GOPALAKRISHNAN, C.: see Kharbat, E.
GORE, J. P.: see Tseng, L.-K.
GORE, J. P.: see Zhou, X. C.
GOULD, J.: see Raine, R. R.
GOULDIN, F. C., and MILES, P. C.
Chemical Closure and Burning Rates in Premixed Turbulent Flames, 100: 202
- GOURICHON, L.: see Therssen, E.
GREENBERG, J. B.: see Ronney, P. D.
GREENBERG, P. S.: see Ku, J. C.
GRIFFIN, D. W.: see Ku, J. C.
GRIFFIN, T., WEISENSTEIN, W., SCHERER, V., and FOWLES, M.
Palladium-Catalyzed Combustion of Methane: Simulated Gas Turbine Combustion at Atmospheric Pressure, 101: 81
- GRINSTEIN, F. F., and KAILASANATH, K.
Erratum, 101: 192
- GRINSTEIN, F. F., and KAILASANATH, K.
Three-Dimensional Numerical Simulations of Unsteady Reactive Square Jets, 100: 2
- GUERASSI, N.: see Sahetchian, K.
GULATI, A.: see Nguyen, Q. V.
GÜLDER, Ö. L.
Effects of Oxygen on Soot Formation in Methane, Propane and *n*-Butane Diffusion Flames, 101: 302
- GÜLDER, Ö. L.: see Smallwood, G. J.
GÜLDER, Ö. L., and SMALLWOOD, G. J.
Inner Cutoff Scale of Flame Surface Wrinkling in Turbulent Premixed Flames, 103: 107
- GUTSCHE, G. J.: see Hayes, F.
HACKENBERG, C. M.: see Lage, P. L. C.
HALDENWANG, P.: see Daou, J.
HAMINS, A.: see Choi, M. Y.
HASEMI, Y.: see Delichatsios, M. A.
HAYES, F., GUTSCHE, G. J., LAWRENCE, W. D.,
STAKER, W. S., and KING, K. D.
Singlet Methylene Removal by Saturated and Unsaturated Hydrocarbons, 100: 653
- HAYHURST, A. N., and LAWRENCE, A. D.
The Devolatilization of Coal and a Comparison of Char Produced in Oxidizing and Inert Atmospheres in Fluidized Beds, 100: 591
- HEADLEY, T. J.: see Wornat, M. J.
HEADLEY, T. J.: see Davis, K. A.
HEDMAN, P. O., and WARREN, D. L.
Turbulent Velocity and Temperature Measurements from a Gas-Field Technology Combustor with a Practical Fuel Injector, 100: 185
- HEISS, A.: see Sahetchian, K.

- HERMANSON, J. C.: see Cetegen, B. M.
- HERNÁNDEZ, J., CRESPO, A., and DUIJM, N. J. Numerical Modeling of Turbulent Jet Diffusion Flames in the Atmospheric Surface Layer, 101: 113
- HIRANO, T.: see Sato, J.
- HOCHGREB, S.: see Wu, K.-C.
- HOMANN, K.-H.: see Bachmann, M.
- HOWARD, J. B., LONGWELL, J. P., MARR, J. A., POPE, C. J., BUSBY, W. F., JR., LAFLEUR, A. L., and TAGHIZADEH, K. Effects of PAH Isomerizations on Mutagenicity of Combustion Products, 101: 262
- HSU, K.-Y., and CHEN, L.-D. An Experimental Investigation of Li and SF₆ Wick Combustion, 102: 73
- HUPA, M.: see Aho, M. J.
- HURT, R. H.: see Wornat, M. J.
- HURT, R. H.: see Davis, K. A.
- IBRAHIM, S. S.: see Catlin, C. A.
- ILINCIC, N.: see Seshadri, K.
- IM, H. G., LAW, C. K., KIM, J. S., and WILLIAMS, F. A. Response of Counterflow Diffusion Flames to Oscillating Strain Rates, 100: 21
- INKROTT, K. E.: see Gerhold, B. W.
- ISMAIL, M. A.: see Aung, K. T.
- ISOM, K. B.: see Mellor, A. M.
- IWASAKA, M.: see Kondo, S.
- JAGODA, J. I.: see Tang, Y. M.
- JIANG, T. L., CHEN, W. S., TSAI, M. J., and CHIU, H. H. A Numerical Investigation of Multiple Flame Configurations in Convective Droplet Gasification, 103: 221
- JOHNSON, R. G., MCINTOSH, A. C., and BRINDLEY, J. Extinction of Premixed Flames by Pressure Drops, 102: 493
- JONES, A. R.: see Card, J. B. A.
- JONES, J. C. Comment on "Comparisons of the Structure of Stoichiometric CH₄-N₂-Ar and H₂-O₂-Ar Flames by Molecular Beam Sampling and Mass-Spectrometric Analysis" by J. Vandoren, M. C. Branch, and P. J. Van Tiggelen, 101: 193
- JORAND, F.: see Sahetchian, K.
- JOULIN, G.: see Dold, J. M.
- JU, Y., and NIIOKA, T. Ignition Simulation of Methane/Hydrogen Mixtures in a Supersonic Mixing Layer, 102: 462
- KAILASANATH, K.: see Grinstein, F. F.
- KAISE, M.: see Kondo, S.
- KASHIWAGI, T.: see Choi, M. Y.
- KATTA, V. R., and ROQUEMORE, W. M. Numerical Studies on the Structure of Two-Dimensional H₂/Air Premixed Jet Flame, 102: 21
- KATTA, V. R., and ROQUEMORE, W. M. On the Structure of a Stretched/Compressed Laminar Flamelet—Influence of Preferential Diffusion, 100: 61
- KAUFFMAN, C. W.: see Li, Y.-C.
- KAZAKOV, A., WANG, H., and FRENKLACH, M. Detailed Modeling of Soot Formation in Laminar Premixed Ethylene Flames at a Pressure of 10 Bar, 100: 111
- KEENER, H. M.: see Lin, J.-L.
- KENNEDY, L. A.: see Zhdanok, S.
- KERN, R. D., CHEN, H., KIEFER, J. H., and MUDIPALLI, P. S. Thermal Decomposition of Propargyl Bromide and the Subsequent Formation of Benzene, 100: 177
- KERR, O. S.: see Dold, J. W.
- KHARBAT, E., ANNAMALAI, K., and GOPALAKRISHNAN, C. Ignition and Combustion of Isolated and Binary Array of Coal Particles, 100: 413
- KIEFER, J. H.: see Kern, R. D.
- KILPINEN, K.: see Aho, M. J.
- KIM, J. S.: see Im, H. G.
- KIM, S.-W. Numerical Investigation of Chemical Reaction-Turbulence Interaction in Compressible Shear Layers, 101: 197
- KING, K. D.: see Hayes, F.
- KNUTH, E. L. Composition Distortion in MBMS Sampling, 103: 171
- KOESTER, G.: see Zhdanok, S.
- KOLB, C. E.: see Brown, R. C.
- KONDO, S., TOKUHASHI, K., NAGAI, H., IWASAKA, M., and KAISE, M. Spontaneous Ignition Limits of Silane and Phosphine, 101: 170
- KOROLCHENKO, A. YA.: see Shebeko, Yu. N.
- KOSHKIN, B. YU., BUNEV, V. A., BABKIN, V. S., and LAEVSKY, YU. M. The Decomposition Flame of Hydrazine in Inert Porous Media, 103: 143
- KOSTIUK, L. W., and CHENG, R. K. The Coupling of Conical Wrinkled Laminar Flames with Gravity, 103: 22
- KÖYLÜ, Ü. Ö., FAETH, G. M., FARIA, T. L., and CARVALHO, M. G. Fractal and Projected Structure Properties of Soot Aggregates, 100: 621

- KÖYLU, O. Ö.: *see* Sunderland, P. B.
- KOZINSKI, J. A.: *see* Rink, K. K.
- KRAMLICH, J. C.: *see* Steele, R. C.
- KU, J. C., GRIFFIN, D. W., GREENBERG, P. S., and ROMA, J.
Buoyancy-Induced Differences in Soot Morphology, 102: 216
- LADOUCEUR, H. D.: *see* Douglass, C. H.
- LAEVSKY, YU. M.: *see* Koshkin, B. Yu.
- LAFLEUR, A. L.: *see* Howard, J. B.
- LAGE, P. L. C., HACKENBERG, C. M., and RANGEL, R. H.
Nonideal Vaporization of Dilating Binary Droplets with Radiation Absorption, 101: 36
- LAHAYE, J.: *see* Rybak, W.
- LAU, J. H. W.
Comparison of PDF and Eddy-Dissipation Combustion Models Applied to a Propane Jet Flame, 102: 209
- LAURENDEAU, N. M.: *see* Reisel, J.
- LAW, C. K.: *see* Du, D. X.
- LAW, C. K.: *see* Eng, J. A.
- LAW, C. K.: *see* Im, H. G.
- LAW, C. K.: *see* Makino, A.
- LAW, C. K.: *see* Sung, C. J.
- LAWRENCE, A. D.: *see* Hayhurst, A. N.
- LAWRENCE, W. D.: *see* Hayes, F.
- LEE, H., and SOHRAB, S. H.
Hydrodynamic Aspects of Premixed Flame Stripes in Two-Dimensional Stagnation-Point Flows, 101: 441
- LEE, J. C., YETTER, R. A., and DRYER, F. L.
Transient Numerical Modeling of Carbon Particle Ignition and Oxidation, 101: 387
- LEE, J. G., LEE, T.-W., NYE, D. A., and SANTAVICCA, D. A.
Lewis Number Effects on Premixed Flames Interacting with Turbulent Kármán Vortex Streets, 100: 161
- LEE, J. H. S.: *see* Lee, J. J.
- LEE, J. J., BROUILLETTE, M., FROST, D. L., and LEE, J. H. S.
Effect of Diethylenetriamine Sensitization on Detonation of Nitromethane in Porous Media, 100: 292
- LEE, K.-O.: *see* Vander Wal R. L.
- LEE, T.-W.: *see* Lee, J. G.
- LEE, Y. Y., and POPE, S. B.
Nonpremixed Turbulent Reacting Flow Near Extinction, 101: 501
- LEFEBVRE, M. H., and FUJIWARA, T.
Numerical Modeling of Combustion Processes Induced by a Supersonic Conical Blunt Body, 100: 85
- LENTINI, D., and PURI, I. K.
- LEUNG, K. M., and LINDSTEDT, R. P.
Stretched Laminar Flamelet Modeling of Turbulent Chloromethane-Air Nonpremixed Jet Flames, 103: 328
- LEVY, N.: *see* Sahetchian, K.
- LEVY, Y., and BULZAN, D. L.
Detailed Kinetic Modeling of C₁-C₃ Alkane Diffusion Flames, 102: 129
- LEVY, Y.: *see* Sahetchian, K.
- LIBBY, P. A.: *see* Maury, F. A.
- LIGHTY, J. S.: *see* Rink, K. K.
- LIN, J.-L., and KEENER, H. M.
Pyrolysis and Combustion of Corncobs in a Fluidized Bed: Measurement and Analysis of Behavior, 100: 271
- LIN, L.H.: *see* Davis, M. R.
- LIN, M. C.: *see* Sheu, W. J.
- LIN, M. C.: *see* Yu, T.
- LINAK, W. P., SRIVASTAVA, R. K., and WENDT, J. O. L.
Sorbent Capture of Nickel, Lead, and Cadmium in a Laboratory Swirl Flame Incinerator, 100: 241
- LIÑÁN, A.: *see* Treviño, C.
- LINDSTEDT, R. P.: *see* Leung, K. M.
- LIU, J. B.: *see* Sung, C. J.
- LIU, T.-K.: *see* Shyu, I.-M.
- LOCKWOOD, F. C., and VAN NIEKERK, J. E.
Parametric Study of a Carbon Black Oil Furnace, 103: 76
- LONGWELL, J. P.: *see* Howard, J. B.
- LOZINSKI, D., and BUCKMASTER, J.
Quenching of Reverse Smolder, 102: 87
- LU, W.: *see* Dobbins, R. A.
- MAHALINGAM, S., CHEN, J. H., and VERVISCH, L.
Finite-Rate Chemistry and Transient Effects in Direct Numerical Simulations of Turbulent Nonpremixed Flames, 102: 285
- MAKINO, A., and LAW, C. K.
Burning Velocity of the Heterogeneous Flame Propagation in the SHS Process Expressed in Explicit Form, 101: 551
- MALTE, P. C.: *see* Steele, R. C.
- MAQSUD, L.: *see* Sidhu, S. S.
- MARANDA, A.: *see* Cudizilo, S.
- MARBAN, G., PIS, J. J., and FUERTES, A. B.
Characterizing Fuels for Atmospheric Fluidized Bed Combustion, 103: 41

- MARLOW, D.: see Cho, S.
- MARR, J. A.: see Howard, J. B.
- MASCOLO, G.: see Sidhu, S. S.
- MASTORAKOS, E., TAYLOR, A. M. K. P., and WHITELAW, J. H. *Extinction of Turbulent Counterflow Flames with Reactants Diluted by Hot Products*, 102: 101
- MATKOWSKY, B. J.: see Aldushin, A. P.
- MATKOWSKY, B. J.: see Schult, D. A.
- MAURY, F. A., and LIBBY, P. A. *Nonpremixed Flames in Stagnating Turbulence Part I—The κ - \bar{E} Theory with Equilibrium Chemistry for the Methane–Air System*, 102: 341
- MCDONALD, J. R.: see Douglass, C. H.
- MCDONALD, M.: see Blake, T. R.
- MCILROY, A.: see Spiganlin, T. A.
- MCINTOSH, A. C.: see Johnson, R. G.
- MEGARIDIS, C. M.: see Shih, A. T.
- MELLOR, A. M., WIEGAND, D. A., and ISOM, K. B. *Hot Spot Histories in Energetic Materials*, 101: 26
- MILES, P. C.: see Gouldin, F. C.
- MILLER, G. P. *The Structure of a Stoichiometric $\text{CCl}_4\text{-CH}_4$ -Air Flat Flame*, 101: 101
- MILLER, H. J.: see Skaggs, R. R.
- MINETTI R., CARLIER, M., RIBAUCOUR, M., THERSSEN, E., and SOCHET, L. R. *A Rapid Compression Machine Investigation of Oxidation and Auto-Ignition of *n* Heptane: Measurements and Modeling*, 102: 298
- MITANI, T. *Ignition Problems in Scramjet Testing*, 101: 347
- MONSON, C. R., GERMANE, G. J., BLACKHAM, A. U., and SMOOT, L. D. *Char Oxidation at Elevated Pressures*, 100: 669
- MOSES, E., YARIN, A. L., and BAR-YOSEPH, P. *On Knocking Prediction in Spark Ignition Engines*, 101: 239
- MOSS, J. B., STEWART, C. D., and YOUNG, K. J. *Modeling Soot Formation and Burnout in a High Temperature Laminar Diffusion Flame Burning Under Oxygen-Enriched Conditions*, 101: 491
- MOST, J. M.: see Durox, D.
- MUDIPALLI, P. S.: see Kern, R. D.
- MUELLER, C. J., DRISCOLL, J. F., SUTKUS, D. J., ROBERTS, W. L., DRAKE, M. C., and SMOKE, M. D. *Effect of Unsteady Stretch Rate on OH Chemistry during a Flame–Vortex Interaction*, 100: 323
- MULHOLLAND, G. W.: see Choi, M. Y.
- NAGAI, H.: see Kondo, S.
- NAVZENYA, V. YU.: see Shebeko, Yu. N.
- NGUYEN, Q. V., EDGAR, B. L., DIBBLE, R. W., and GULATI, A. *Experimental and Numerical Comparison of Extractive and In Situ Laser Measurements of Non-Equilibrium Carbon Monoxide in Lean-Premixed Natural Gas Combustion*, 100: 395
- NICOL, D. G.: see Steele, R. C.
- NICOLI, C.: see Daou, J.
- NIIOKA, T.: see Ju, Y.
- NIKIFORAKIS, N.: see Dold, J. M.
- NIKOLOVA, I. P.: see Dold, J. W.
- NIKSA, S. *Predicting the Devolatilization Behavior of any Coal from Its Ultimate Analysis*, 100: 384
- NIKSA, S.: see Cho, S.
- NISBET, J. R.: see Chomiak, J.
- NORRIS, A. T., and POPE, S. B. *Modeling of Extinction in Turbulent Diffusion Flames by the Velocity-Dissipation-Composition PDF Method*, 100: 211
- NORRIS, M. G.: see Wu, K.-C.
- NOWACZEWSKI, J.: see Cudzilo, S.
- NYE, D. A.: see Lee, J. G.
- O'DOHERTY, T.: see Froud, D.
- OHTANI, H.: see Sato, J.
- PAAKKINEN, K. M.: see Aho, M. J.
- PADMANABHAN, K. T., BOWMAN, C. T., and POWELL, J. D. *An Adaptive Optimal Combustion Control Strategy*, 100: 101
- PAN, X. C.: see Chan, S. H.
- PANFILOV, I. I.: see Smirnov, N. N.
- PAPKOV, S. N.: see Shebeko, Yu. N.
- PATTERSON, D. J.: see Chou, T.
- PAUL, P. H.: see Clemens N. T.
- PETARCA, L.: see Cozzani, V.
- PETERSON, T. W.: see Boul, L. E., III
- PETROV, C. A., and GHONIEM, A. F. *The Transient Response of Strained Laminar-Premixed Flames*, 102: 401
- PFEFFERLE, L.: see Bermudez, G.
- PINTUS, S.: see Cozzani, V.
- PIRKONEN, P. M.: see Aho, M. J.
- PIS, J. J.: see Marban, G.
- POPE, C. J.: see Howard, J. B.
- POPE, S. B.: see Lee, Y. Y.
- POPE, S. B.: see Norris, A. T.
- POWELL, J. D.: see Padmanabhan, K. T.
- PRAKASH, S.: see Shaygan, N.
- PRATSINIS, S. E.: see Fotou, G. P.

- PRITCHARD, H. O.: see Clothier, P. Q. E.
- PURI, I. K.
The Removal of NO by Low-Temperature O₃ Oxidation, 102: 512
- PURI, I. K.: see Lentini, D.
- PURI, R., SANTORO, R. J., and SMYTH, K.
Erratum, 102: 226
- QUIEROZ, M.: see Coimbra, C. F. M.
- RABITZ, H.: see Brown, R. C.
- RAINE, R. R., STONE, C. R., and GOULD, J.
Modeling of Nitric Oxide Formation in Spark Ignition Engines with a Multizone Burned Gas, 102: 241
- RAMACHANDRA, P. A., ALTENKIRCH, R. A., BHATTACHARJEE, S., TANG, L., SACKSTEDER, K., and WOLVERTON, M. K.
The Behavior of Flames Spreading Over Thin Solids in Microgravity, 100: 71
- RANGEL, R. H.: see Lage, P. L. C.
- RANZI, E., FARAVELLI, T., GAFFURI, P., and SOGARO, A.
Low-Temperature Combustion: Automatic Generation of Primary Oxidation Reactions and Lumping Procedures, 102: 179
- RANZI, E., GAFFURI, P., FARAVELLI, T., and DAGAUT, P.
A Wide-Range Modeling Study of *n*-Heptane Oxidation, 103: 91
- RAO, V. K., BARDON, M. F., and STOWE, R. A.
Kinetic Parameters of Composite Propellants from Thermogravimetric Data, 102: 219
- REISEL, J., and LAURENDEAU, N. M.
Quantitative LIF Measurements and Modeling of Nitric Oxide in High-Pressure C₂H₄/O₂/N₂ Flames, 101: 141
- REUILLO, M.: see Daugaut, P.
- RIBAUCOUR, M.: see Minetti R.
- RIGHTLEY, M. L., and WILLIAMS, F. A.
Analytical Approximations for Structures of Wet CO Flames with One-Step Reduced Chemistry, 101: 287
- RINK, K. K., KOZINSKI, J. A., and LIGHTY, J. S.
Biosludge Incineration in FBCs: Behavior of Ash Particles 100: 121
- ROBERTS, W. L.: see Mueller, C. J.
- ROEGRNER, E. V.: see Ronney, P. D.
- ROESLER, J. F., YETTER, R. A., and DRYER, F. L.
Kinetic Interactions of CO, NO_x, and HCl Emissions in Postcombustion Gases, 100: 495
- ROLON, J. C., AGUERRE, F., and CANDEL, S.
Experiments on the Interaction between a Vortex and A Strained Diffusion Flame, 100: 422
- ROM, J.: see Tivanov, G.
- ROMA, J.: see Ku, J. C.
- RONNEY, P. D., GREENBERG, J. B., ZHANG, Y., and ROEGRNER, E. V.
Flame Spread over Thin Solid Fuels in Partially Premixed Atmospheres, 100: 474
- ROQUEMORE, W. M.: see Katta, V. R.
- RUTLAND, C. J.: see Zhang, S.
- RYBAK, W., and LAHAYE, J.
Fluidized Bed Feeding of Carbon Black Particles, 103: 239
- SACKSTEDER, K.: see Ramachandra, P. A.
- SAHETCHIAN, K., CHAMPOUSSIN, J. C., BRUN, M., LEVY, N., BLIN-SIMIAND, N., ALIGROT, C., JORAND, F., SOCOLIUC, M., HEISS, A., and GUERASSI, N.
Experimental Study and Modeling of Dodecane Ignition in a Diesel Engine, 103: 207
- SANTAVICCA, D. A.: see Lee, J. G.
- SANTORO, R. J.: see Puri, R.
- SATO, L., OHTANI, H., and HIRANO, T.
Ignition Process of a Heated Iron Block in High-Pressure Oxygen Atmosphere, 100: 376
- SCHERER, V.: see Griffin, T.
- SCHULT, D. A., MATKOWSKY, B. J., VOLPERT, V. A., and FERNANDEZ-PELLO, A. C.
Propagation and Extinction of Forced Opposed Flow Smolder Waves, 101: 471
- SCOTT, S. J.: see Fotou, G. P.
- SELL, J. A.: see Tanoff, M. A.
- SESHADRI, K., and ILINCIC, N.
The Asymptotic Structure of Inhibited Nonpremixed Methane-Air Flames, 101: 271
- SESHADRI, K., and ILINCIC, N.
The Asymptotic Structure of Nonpremixed Methane-Air Flames with Oxidizer Leakage of Order Unity, 101: 69
- SHAMAMIAN, V. A.: see Douglass, C. H.
- SHAMINE, R. W., COHEN, R. D., BAYAZITOGLU, Y., and ANDERSON, C. F.
Effect of Agglomeration on Pulverized-Coal Combustion, 101: 185
- SHAYGAN, N., and PRAKASH, S.
Droplet Ignition and Combustion Including Liquid-Phase Heating, 102: 1
- SHEBEKO, YU. N., TSARICHENKO, S. G., KOROLCHENKO, A. YA., TRUDEV, A. V., NAVZENYA, V. YU., PAPKOV, S. N., and ZAITZEV, A. A.
Burning Velocities and Flammability Limits of Gaseous Mixtures at Elevated Temperatures and Pressures, 102: 427
- SHEN, D.: see Clothier, P. Q. E.
- SHEPHERD, I. G.
Heat Release and Induced Strain in Premixed Flames, 103: 1

- SHEU, W. J., and LIN, M. C.
Gas-Phase Ignition of Accelerated Boundary-Layer Flows on Strongly Catalytic Surfaces, 103: 161
- SHIH, A. T., and MEGARIDIS, C. M.
Suspended Droplet Evaporation Modeling in a Laminar Convective Environment, 102: 256
- SHORT, M.: *see* Dold, J. M.
- SHYU, I.-M., and LIU, T.-K.
Combustion Characteristics of GAP-Coated Boron Particles and the Fuel-Rich Solid Propellant, 100: 634
- SICHEL, M.: *see* Li, Y.-C.
- SIDHU, S. S., MAQSUD, I., DELLINGER, B., and MASCOLO, G.
The Homogeneous, Gas-Phase Formation of Chlorinated and Brominated Dibenz-p-dioxin from 2,4,6-Trichloro- and 2,4,6-Tribromophenols, 100: 11
- SIDOROV, V. P.: *see* Dorofeev, S. B.
- SIRIGNANO, W. A.: *see* Bhatia, R.
- SKAGGS, R. R., and MILLER, H. J.
A Study of Carbon Monoxide in a Series of Laminar Ethylene/Air Diffusion Flames Using Tunable Diode Laser Absorption Spectroscopy, 100: 430
- SMALLWOOD, G. J.: *see* Gülder, Ö. L.
- SMALLWOOD, G. J., GÜLDER, Ö. L., SNELLING, D. R., DESCHAMPS, B. M., and GÖKALP, I.
Characterization of Flame Front Surfaces in Turbulent Premixed Methane/Air Combustion, 101: 462
- SMIRNOV, N. N., and PANFILOV, I. I.
Deflagration to Detonation Transition in Combustible Gas Mixtures, 101: 91
- SMIRNOV, N. N., and TYURNIKOV, M. V.
Experimental Investigation of Deflagration to Detonation Transition in Hydrocarbon-Air Gaseous Mixtures, 100: 661
- SMITH, D. B.: *see* Taylor, S. C.
- SMITH, L. L., DIBBLE, R. W., TALBOT, L., BARLOW, R. S., and CARTER, C. D.
Laser Raman Scattering Measurements of Differential Molecular Diffusion in Turbulent Nonpremixed Jet Flames of H₂/CO₂ Fuel, 100: 153
- SMOOKE, M. D.: *see* Balakrishnan, G.
- SMOOKE, M. D.: *see* Mueller, C. J.
- SMOOKE, M. D.: *see* Tanoff, M. A.
- SMOOT, L. D.: *see* Monson, C. R.
- SMYTH, K.: *see* Puri, R.
- SNELLING, D. R.: *see* Smallwood, G. J.
- SOCHEZ, L. R.: *see* Minetti R.
- SOCOLIUC, M.: *see* Sahetchian, K.
- SOGARO, A.: *see* Ranzi, E.
- SOHRAB, S. H.: *see* Chen, C. L.
- SOHRAB, S. H.: *see* Chen, Z. H.
- sohrab, s. h.: *see* Lee, H.
- SON, S. F.: *see* Brewster, Q.
- SON, S. F., and BREWSTER, M. Q.
Unsteady Combustion of Homogeneous Energetic Solids Using the Laser-Recoil Method, 100: 283
- SPIGLANIN, T. A., MCILROY, A., FOURNIER, E. W., COHEN, R. B., and SYAGE, J. A.
Time-Resolved Imaging of Flame Kernels: Laser Spark Ignition of H₂/O₂/Ar Mixtures, 102: 310
- SRIVASTAVA, R. K.: *see* Linak, W. P.
- STAKER, W. S.: *see* Hayes, F.
- STANMORE, B.: *see* Gilot, P.
- STEELE, R. C., MALTE, P. C., NICOL, D. G., and KRAMLICH, J. C.
NO_x and N₂O in Lean-Premixed Jet-Stirred Flames, 100: 440
- STEWART, C. D.: *see* Moss, J. B.
- STEWART, D. S.: *see* Yao, J.
- STONE, C. R.: *see* Raine, R. R.
- STOWE, R. A.: *see* Rao, V. K.
- SUNDERLAND, P. B., KÖYLÜ, Ö. Ö., and FAETH, G. M.
Soot Formation in Weakly Buoyant Acetylene-Fueled Laminar Jet Diffusion Flames Burning in Air, 100: 310
- SUNG, C. J., LIU, J. B., and LAW, C. K.
Structural Response of Counterflow Diffusion Flames to Strain Rate Variations, 102: 481
- SUNG, C. J., TRUJILLO, J. Y. D., and LAW, C. K.
On Non-Huygens Flame Configuration in Stagnation Flow, 103: 247
- SUTKUS, D. J.: *see* Mueller, C. J.
- SYAGE, J. A.: *see* Spiglanin, T. A.
- SYRED, N.: *see* Froud, D.
- TAGHIZADEH, K.: *see* Howard, J. B.
- TALBOT, L.: *see* Smith, L. L.
- TANG, L.: *see* Ramachandra, P. A.
- TANG, Y. M., WALDHERR, G., JAGODA, J. I., and ZINN, B. T.
Heat Release Timing in a Nonpremixed Helmholtz Pulse Combustor, 100: 251
- TANOFF, M. A., SMOKE, M. D., TEETS, R. E., and SELL, J. A.
Computational and Experimental Studies of Laser-Induced Thermal Ignition in Premixed Ethylene-Oxidizer Mixtures, 103: 253
- TAYLOR, A. M. K. P.: *see* Mastorakos, E.

- TAYLOR, S. C., and SMITH, D. B.
Comment on "Laminar Burning Velocities and Markstein Numbers of Hydrocarbon/Air Flames" by L.-K. Tseng, M. A. Ismail, and G. M. Faeth, 102: 523
- TEETS, R. E.: see Tanoff, M. A.
- TERSSSEN, E.: see Minetti R.
- TERSSSEN, E., GOURICHON, L., and DELFOSSE, L.
Devolatilization of Coal Particles in a Flat Flame—Experimental and Modeling Study, 103: 115
- TIVANOV, G., and ROM, J.
Stability of Hypersonic Reacting Stagnation Flow of a Detonable Gas Mixture by Dynamical Systems Analysis, 103: 311
- TOGNOTTI, L.: see Cozzani, V.
- TOKUHASHI, K.: see Kondo, S.
- TRCÍNSKI, W.: see Cudiziló, S.
- TREVIÑO, C., and LIÑÁN, A.
Mixing Layer Ignition of Hydrogen, 103: 129
- TRUJILLO, J. Y. D.: see Sung, C. J.
- TRUNEV, A. V.: see Shebeko, Yu. N.
- TRUNOV, M. A.: see Dreizin, E. L.
- TSAI, M. J.: see Jiang, T. L.
- TSARICHENKO, S. G.: see Shebeko, Yu. N.
- TSENG, L.-K.: see Aung, K. T.
- TSENG, L.-K., ABHISHEK, K., and GORE, J. P.
An Experimental Realization of Premixed Methane/Air Cylindrical Flames, 102: 519
- TWAROWSKI, A.
The Effect of Phosphorus Chemistry on Recombination Losses in a Supersonic Nozzle, 102: 55
- TWAROWSKI, A.
Reduction of a Phosphorus Oxide and Acid Reaction Set, 102: 41
- TYURNIKOV, M. V.: see Smirnov, N. N.
- VANDER WAL R. L., CHOI, M. Y., and LEE, K.-O.
The Effects of Rapid Heating of Soot: Implications When Using Laser-Induced Incandescence for Soot Diagnostics, 102: 200
- VANDOOREN J., BRANCH M. C., and VAN TIGGELEN, P. J.
Reply to Comment by J. C. Jones, 101: 195
- VAN NIEKERK, J. E.: see Lockwood, F. C.
- VAN TIGGELEN, P.: see Vandooren J.
- VERVISCH, L.: see Mahalingam, S.
- VLACHOS, D. J.
The Interplay of Transport, Kinetics, and Thermal Interactions in the Stability of Premixed Hydrogen/Air Flames Near Surfaces, 103: 59
- VOLPERT, V. A.: see Aldushin, A. P.
- VOLPERT, V. A.: see Schult, D. A.
- WALDHERR, G.: see Tang, Y. M.
- WALRAEVENS, B., BATTIN-LECLERC, F., CÔME, G. M., and BARONNET, F.
Inhibiting Effect of Brominated Compounds on Oxidation Reactions, 103: 339
- WANG, H.: see Kazakov, A.
- WARREN, D. L.: see Hedman, P. O.
- WEISENSTEIN, W.: see Griffin, T.
- WEISS, Y., and BAR-ZIV, E.
Observation of Nonuniform Shrinkage and Activation of Highly Porous Chars during Combustion in an Improved Electrodynamic Chamber, 101: 452
- WENDT, J. O. L.: see Bool, L. E., III
- WENDT, J. O. L.: see Linak, W. P.
- WHITELAW, J. H.: see Mastorakos, E.
- WICHMAN, I. S.: see Bruneaux, G.
- WICHMAN, I. S.: see Di Blasi, C.
- WICHMAN, I. S., and BRUNEAUX, G.
Head-On Quenching of a Premixed Flame by a Cold Wall, 103: 296
- WIEGAND, D. A.: see Mellor, A. M.
- WIESE, W.: see Bachmann, M.
- WILLIAMS, B. A., and FLEMING, J. W.
Comparison of Species Profiles between O₂ and NO₂ Oxidizers in Premixed Methane Flames, 100: 571
- WILLIAMS, F. A.: see Balakrishnan, G.
- WILLIAMS, F. A.: see Im, H. G.
- WILLIAMS, F. A.: see Rightley, M. L.
- WILLIAMS, G. K., and BRILL, T. B.
Thermal Decomposition of Energetic Materials
67. Hydrazinium Nitroformate (HNF) Rates and Pathways under Combustionlike Conditions, 102: 418
- WOLVERTON, M. K.: see Ramachandra, P. A.
- WORNAT, M. J., HURT, R. H., YANG, N. Y. C., and HEADLEY, T. J.
Structural and Compositional Transformations of Biomass Chars during Combustion, 100: 131
- WU, K.-C., HOCHGREB, S., and NORRIS, M. G.
Chemical Kinetic Moulding of Exhaust Hydrocarbon Oxidation, 100: 193
- YANG, N. Y. C.: see Wornat, M. J.
- YANG, N. Y. C.: see Davis, K. A.
- YAO, J., and STEWART, D. S.
On the Normal Detonation Shock Velocity-Curvature Relationship for Materials with Large Activation Energy, 100: 519
- YARIN, A. L.: see Moses, E.
- YETTER, R. A.: see Brown, R. C.
- YETTER, R. A.: see Lee, J. C.

- YETTER, R. A.: see Roesler, J. F.
YOUNG, K. J.: see Moss, J. B.
YU, T., and LIN, M. C.
Kinetics of the Phenyl Radical Reaction with Ethylene: An RRKM Theoretical Analysis of Low and High Temperature Data, 100: 169
YUAN, T.: see Durox, D.
ZAITZEV, A. A.: see Shebeko, Yu. N.
ZHANG, B. L.: see Fu, W. B.
ZHANG, S., and RUTLAND, C. J.
Premixed Flame Effects on Turbulence and Pressure-Related Terms, 102: 447
ZHANG, Y.: see Romney, P. D.
ZHDANOK, S., KENNEDY, L. A., and KOESTER, G.
Superadiabatic Combustion of Methane Air Mixtures under Filtration in a Packed Bed, 100: 221
ZHOU, X. C., and GORE, J. P.
Air Entrainment Flow Field Induced by a Pool Fire, 100: 52
ZHU, D. L.: see Eng, J. A.
ZINN, B. T.: see Tang, Y. M.

SUBJECT INDEX

Volumes 100, 101, 102, and 103, 1995

1. ASYMPTOTIC ANALYSES

- The Asymptotic Structure of Inhibited Nonpremixed Methane-Air Flames, 101: 271
- The Asymptotic Structure of Nonpremixed Methane-Air Flames with Oxidizer Leakage of Order Unity, 101: 69
- Head-On Quenching of a Premixed Flame by a Cold Wall, 103: 296
- Mixing Layer Ignition of Hydrogen, 103: 129
- On the Normal Detonation Shock Velocity-Curvature Relationship for Materials with Large Activation Energy, 100: 519
- Propagation and Extinction of Forced Opposed Flow Smolder Waves, 101: 471
- Quenching of Reverse Smolder, 102: 87
- Response of Counterflow Diffusion Flames to Oscillating Strain Rates, 100: 21
- Stoichiometric Flames and Their Stability, 101: 15

2. COMBUSTION IN PRACTICAL SYSTEMS

- An Adaptive Optimal Combustion Control Strategy, 100: 101
- Biosludge Incineration in FBCs: Behavior of Ash Particles, 100: 121
- Char Oxidation at Elevated Pressures, 100: 669
- Decreases in the Swelling and Porosity of Bituminous Coals during Devolatilization at High Heating Rates, 100: 94
- Devolatilization of Coal Particles in a Flat Flame—Experimental and Modeling Study, 103: 115
- Effect of Agglomeration on Pulverized-Coal Combustion, 101: 185
- Experimental Study and Modeling of Dodecane Ignition in a Diesel Engine, 103: 207
- In-Cylinder Measurement of Mixture Maldistribution in an L-Head Engine, 101: 45
- Modeling of Nitric Oxide Formation in Spark Ignition Engines with a Multizone Burned Gas, 102: 241
- Nonoxide Ceramic Powder Synthesis, 100: 144
- On Knocking Prediction in Spark Ignition Engines, 101: 239

Parametric Study of a Carbon Black Oil

Furnace, 103: 76

Sorbent Capture of Nickel, Lead, and Cadmium in a Laboratory Swirl Flame Incinerator, 100: 241

Stimulation of Diesel-Fuel Ignition by Benzyl Radicals, 101: 383

Turbulent Velocity and Temperature Measurements from a Gas-Field Technology Combustor with a Practical Fuel Injector, 100: 185

3. COMBUSTION STABILITY/INSTABILITY

Stoichiometric Flames and Their Stability, 101: 15

4. COMBUSTION SYSTEMS: ANALYTIC AND NUMERICAL DESCRIPTIONS

Analytical Approximations for Structures of Wet CO Flames with One-Step Reduced Chemistry, 101: 287

The Asymptotic Structure of Nonpremixed Methane-Air Flames with Oxidizer Leakage of Order Unity, 101: 69

Chemical Kinetic Moulding of Exhaust Hydrocarbon Oxidation, 100: 193

Detailed Modeling of Soot Formation in Laminar Premixed Ethylene Flames at a Pressure of 10 Bar, 100: 111

Effect of Nonunity Lewis Number on Premixed Flame Propagation through Isotropic Turbulence, 101: 428

The Effect of Phosphorus Chemistry on Recombination Losses in a Supersonic Nozzle, 102: 55

Finite-Rate Chemistry and Transient Effects in Direct Numerical Simulations of Turbulent Nonpremixed Flames, 102: 285

Flamelet Structure of Radiating CH_4 -Air Flames, 102: 438

Flame Propagation in Metal Slurry Sprays, 100: 605

Flammability Limit and Limit-Temperature of Counterflow Lean Methane-Air Flames, 102: 193

- Head-On Quenching of a Premixed Flame by a Cold Wall, 103: 296
- Ignition Simulation of Methane/Hydrogen Mixtures in a Supersonic Mixing Layer, 102: 462
- The Interplay of Transport, Kinetics, and Thermal Interactions in the Stability of Premixed Hydrogen/Air Flames Near Surfaces, 103: 59
- Kinetic Interactions of CO, NO_x, and HCl Emissions in Postcombustion Gases, 100: 495
- Kinetic Modeling and Sensitivity Analysis for B/H/O/C/F Combination Systems, 101: 221
- Low-Temperature Combustion: Automatic Generation of Primary Oxidation Reactions and Lumping Procedures, 102: 179
- Nonintrusive Stabilization of a Conical Detonation Wave for Supersonic Combustion, 103: 281
- Numerical Investigation of Chemical Reaction-Turbulence Interaction in Compressible Shear Layers, 101: 197
- A Numerical Investigation of Extinction and Ignition Limits in Laminar Nonpremixed Counterflowing Hydrogen-Air Streams for Both Elementary and Reduced Chemistry, 102: 329
- Numerical Modeling of Combustion Processes Induced by a Supersonic Conical Blunt Body, 100: 85
- Numerical Studies on the Structure of Two-Dimensional H₂/Air Premixed Jet Flame, 102: 21
- On Knocking Prediction in Spark Ignition Engines, 101: 239
- On Non-Huygens Flame Configuration in Stagnation Flow, 103: 247
- On the Normal Detonation Shock Velocity-Curvature Relationship for Materials with Large Activation Energy, 100: 519
- On the Oscillation of Combustion of a Laminar Spray, 100: 543
- Perturbation Analysis of a Catalytic Combustor, 102: 205
- Predicting the Devolatilization Behavior of any Coal from Its Ultimate Analysis, 100: 384
- Predictions of Turbulent, Premixed Flame Propagation in Explosion Tubes, 102: 115
- Premixed Flame Effects on Turbulence and Pressure-Related Terms, 102: 447
- Reduction of a Phosphorus Oxide and Acid Reaction Set, 102: 41
- The Removal of NO by Low-Temperature O₃ Oxidation, 102: 512
- Response of Counterflow Diffusion Flames to Oscillating Strain Rates, 100: 21
- Soot Formation in Strained Diffusion Flames with Gaseous Additives, 102: 11
- Stability of Hypersonic Reacting Stagnation Flow of a Detonatable Gas Mixture by Dynamical Systems Analysis, 103: 311
- Structural Response of Counterflow Diffusion Flames to Strain Rate Variations, 102: 481
- Supercritical Burning of Liquid Oxygen (LOX) Droplet with Detailed Chemistry, 101: 153
- Suspended Droplet Evaporation Modeling in a Laminar Convective Environment, 102: 256
- Three-Dimensional Numerical Simulations of Unsteady Reactive Square Jets, 100: 2
- The Transient Response of Strained Laminar-Premixed Flames, 102: 401
- Upstream Interactions between Planar Symmetric Laminar Methane Premixed Flames, 101: 360
- 5. COMBUSTION SYSTEMS: MODELING AND SCALING**
- Analytical Approximations for Structures of Wet CO Flames with One-Step Reduced Chemistry, 101: 287
- Chemical Closure and Burning Rates in Premixed Turbulent Flames, 100: 202
- Comparison of PDF and Eddy-Dissipation Combustion Models Applied to a Propane Jet Flame, 102: 209
- A Direct Comparison of Pair-Exchange and IEM Models in Premixed Combustion, 103: 194
- Effects of Solid-Phase Properties on Flames Spreading over Composite Materials, 102: 229
- Inhibiting Effect of Brominated Compounds on Oxidation Reactions, 103: 339
- Experimental Study and Modeling of Dodecane Ignition in a Diesel Engine, 103: 207
- Heat Release and Induced Strain in Premixed Flames, 103: 1
- Low-Temperature Combustion: Automatic Generation of Primary Oxidation Reactions and Lumping Procedures, 102: 179
- Mechanism of Sulfur Chemiluminescent Emission in Pulsed Flames, 100: 550
- Modeling of Nitric Oxide Formation in Spark Ignition Engines with a Multizone Burned Gas, 102: 241

- Modeling Soot Formation and Burnout in a High Temperature Laminar Diffusion Flame Burning Under Oxygen-Enriched Conditions, 101: 491
- Nonpremixed Flames in Stagnating Turbulence Part I—The k - ϵ Theory with Equilibrium Chemistry for the Methane–Air System, 102: 341
- A Numerical Investigation of Multiple Flame Configurations in Convective Droplet Gasification, 103: 221
- Premixed and Diffusion Flames in a Centrifuge, 102: 501
- Quasi-Steady Combustion Modeling of Homogeneous Solid Propellants, 103: 11
- A Rapid Compression Machine Investigation of Oxidation and Auto-Ignition of *n* Heptane: Measurements and Modeling, 102: 298
- Similitude and the Interpretation of Turbulent Diffusion Flames, 101: 175
- Strained Dissipation and Reaction Layer Analyses of Nonequilibrium Chemistry in Turbulent Reaction Flows, 100: 457
- The Structure of a Stoichiometric $\text{Cl}_4\text{-CH}_4\text{-Air}$ Flat Flame, 101: 101
- Thermodynamics of Gas Phase Chromium Species: The Chromium Chlorides, Oxychlorides, Fluorides, Oxyfluorides, Hydroxides, Oxyhydroxides, Mixed Oxyfluorochlorohydroxides, and Volatility Calculations in Waste Incineration Processes, 101: 311
- Transient Numerical Modeling of Carbon Particle Ignition and Oxidation, 101: 387
- Turbulent Forced Diffusion Flames, 102: 170
- A Wide-Range Modeling Study of *n*-Heptane Oxidation, 103: 91
- 6. COMBUSTION SYSTEMS: NEW**
- The Decomposition Flame of Hydrazine in Inert Porous Media, 103: 143
- Palladium-Catalyzed Combustion of Methane: Simulated Gas Turbine Combustion at Atmospheric Pressure, 101: 81
- 7. DETONATIONS: CONDENSED PHASE AND HETEROGENEOUS**
- Effect of Diethylenetriamine Sensitization on Detonation of Nitromethane in Porous Media, 100: 292
- Experimental Study of Deflagration to Detonation Transition Supported by Dust Layers, 100: 505
- Isothermal Detonation, 101: 339
- Shock Initiation Studies of Ammonium Nitrate Explosives, 102: 64
- 8. DETONATIONS: GAS PHASE**
- Collision of a Shock Wave with Obstacles in a Combustible Mixture, 100: 341
- Deflagration to Detonation Transition in Combustible Gas Mixtures, 101: 91
- Nonintrusive Stabilization of a Conical Detonation Wave for Supersonic Combustion, 103: 281
- Numerical Modeling of Combustion Processes Induced by a Supersonic Conical Blunt Body, 100: 85
- On the Normal Detonation Shock Velocity–Curvature Relationship for Materials with Large Activation Energy, 100: 519
- Stability of Hypersonic Reacting Stagnation Flow of a Detonatable Gas Mixture by Dynamical Systems Analysis, 103: 311
- Transition to Detonation in Vented Hydrogen–Air Explosions, 103: 243
- 9. DIAGNOSTICS: LASER**
- The Effects of Rapid Heating of Soot: Implications When Using Laser-Induced Incandescence for Soot Diagnostics, 102: 200
- Ignition and Combustion of Single, Levitated Char Particles, 103: 181
- Time-Resolved Imaging of Flame Kernels: Laser Spark Ignition of $\text{H}_2/\text{O}_2/\text{Ar}$ Mixtures, 102: 310
- 10. DIAGNOSTICS: OPTICAL AND PHOTOGRAPHIC**
- Comparisons of the Soot Volume Fraction Using Gravimetric and Light Extinction Techniques, 102: 161
- The Effects of Rapid Heating of Soot: Implications When Using Laser-Induced Incandescence for Soot Diagnostics, 102: 200
- Fractal and Projected Structure Properties of Soot Aggregates, 100: 621
- Images of the Two-Dimensional Field and Temperature Gradients to Quantify Mixing Rates within a Non-Premixed Turbulent Jet Flame, 101: 58
- Laser Raman Scattering Measurements of Differential Molecular Diffusion in Turbulent Nonpremixed Jet Flames of H_2/CO_2 Fuel, 100: 153

11. DIAGNOSTICS: OTHER

- Composition Distortion in MBMS Sampling, 103: 171
 Fluidized Bed Feeding of Carbon Black Particles, 103: 239
 Kinetic Parameters of Composite Propellants from Thermogravimetric Data, 102: 219
 Laser Ionization Time-of-Flight Mass Spectrometry Combined with Residual Gas Analysis for the Investigation of Moderate Temperature Benzene Oxidation, 100: 41
 Observation of Nonuniform Shrinkage and Activation of Highly Porous Chars during Combustion in an Improved Electrodynamic Chamber, 101: 452

12. EXPERIMENTAL TECHNIQUES OR RESULTS: BURNERS

- Buoyancy-Induced Differences in Soot Morphology, 102: 216
 Burning Velocities of Multicomponent Organic Fuel Mixtures Derived from Various Coals, 101: 399
 Characterization of Flame Front Surfaces in Turbulent Premixed Methane/Air Combustion, 101: 462
 Combustion Chemistry in Premixed $C_2F_4-O_2$ Flames, 100: 529
 Comparison of Species Profiles between O_2 and NO_2 Oxidizers in Premixed Methane Flames, 100: 571
 Composition Distortion in MBMS Sampling, 103: 171
 The Coupling of Conical Wrinkled Laminar Flames with Gravity, 103: 22
 The Decomposition Flame of Hydrazine in Inert Porous Media, 103: 143
 Effects of Heat Release on the Near Field Flow Structure of Hydrogen Jet Diffusion Flames, 102: 271
 Effects of Oxygen on Soot Formation in Methane, Propane and *n*-Butane Diffusion Flames, 101: 302
 An Experimental Realization of Premixed Methane/Air Cylindrical Flames, 102: 519
 Extinction of Turbulent Counterflow Flames with Reactants Diluted by Hot Products, 102: 101
 Heat Release and Induced Strain in Premixed Flames, 103: 1
 Hydrodynamic Aspects of Premixed Flame Stripes in Two-Dimensional Stagnation-Point Flows, 101: 441

13. EXPERIMENTAL TECHNIQUES OR RESULTS: PLUG FLOW REACTORS

- Composition Distortion in MBMS Sampling, 103: 171
 A Drop Tube Furnace Study of Coal Combustion and Unburned Carbon Content Using Optical Techniques, 101: 539
 Evolution of Char Chemistry, Crystallinity, and Ultrafine Structure During Pulverized-Coal Combustion, 100: 31
 The Homogeneous, Gas-Phase Formation of Chlorinated and Brominated Dibenzo-*p*-dioxin from 2,4,6-Trichloro- and 2,4,6-Tribromophenols, 100: 11
 Laser Ionization Time-of-Flight Mass Spectrometry Combined with Residual Gas Analysis for the Investigation of Moderate Temperature Benzene Oxidation, 100: 41
 Palladium-Catalyzed Combustion of Methane: Simulated Gas Turbine Combustion at Atmospheric Pressure, 101: 81
 The Partitioning of Iron during the Combustion of Pulverized Coal, 100: 262
 Structural and Compositional Transformations of Biomass Chars during Combustion, 100: 131

14. EXPERIMENTAL TECHNIQUES OR RESULTS: QUASI STATIC VESSELS

- Computational and Experimental Studies of Laser-Induced Thermal Ignition in Premixed Ethylene-Oxidizer Mixtures, 103: 253

- Ignition and Combustion of Single, Levitated Char Particles, 103: 181
- Mechanism of Sulfur Chemiluminescent Emission in Pulsed Flames, 100: 550
- Singlet Methylene Removal by Saturated and Unsaturated Hydrocarbons, 100: 653
- Thermal Decomposition of Propargyl Bromide and the Subsequent Formation of Benzene, 100: 177
- 15. EXPERIMENTAL TECHNIQUES OR RESULTS: SHOCK TUBES**
- 16. EXPERIMENTAL TECHNIQUES OR RESULTS: WELL STIRRED REACTORS**
- The Devolatilization of Coal and a Comparison of Chars Produced in Oxidizing and Inert Atmospheres in Fluidized Beds, 100: 591
- Experimental and Numerical Comparison of Extractive and In Situ Laser Measurements of Non-Equilibrium Carbon Monoxide in Lean-Premixed Natural Gas Combustion, 100: 395
- Experimental Study of the Oxidation of *n*-Heptane in a Jet Stirred Reactor from Low to High Temperature and Pressures up to 40 Atm, 101: 132
- Inhibiting Effect of Brominated Compounds on Oxidation Reactions, 103: 339
- NO_x and N₂O in Lean-Premixed Jet-Stirred Flames, 100: 440
- 17. FIRE OR EXPLOSION PHENOMENA, COMBUSTION SAFETY**
- Air Entrainment Flow Field Induced by a Pool Fire, 100: 52
- The Behavior of Flames Spreading Over Thin Solids in Microgravity, 100: 71
- Comment on "Laminar Burning Velocities and Markstein Numbers of Hydrocarbon/Air Flames" by L.-K. Tseng, M. A. Ismail, and G. M. Faeth, 102: 523
- Effect of Diethylenetriamine Sensitization on Detonation of Nitromethane in Porous Media, 100: 292
- Effects of Solid-Phase Properties on Flames Spreading over Composite Materials, 102: 229
- Experimental Investigation of Deflagration to Detonation Transition in Hydrocarbon-Air Gaseous Mixtures, 100: 661
- Experimental Study of Deflagration to Detonation Transition Supported by Dust Layers, 100: 505
- Flame Spread over Thin Solid Fuels in Partially Premixed Atmospheres, 100: 474
- Hot Spot Histories in Energetic Materials, 101: 26
- Predictions of Turbulent, Premixed Flame Propagation in Explosion Tubes, 102: 115
- Predictions of Wind-Opposed Flame Spread Rates and Energy Feedback Analysis for Charring Solids in a Microgravity Environment, 100: 332
- Response to Comment by S. C. Taylor and D. B. Smith on "Laminar Burning Velocities and Markstein Numbers of Hydrocarbon/Air Flames", 102: 526
- Similarity Solutions and Applications to Turbulent Upward Flame Spread on Noncharring Materials, 102: 357
- A Study of Carbon Monoxide in a Series of Laminar Ethylene/Air Diffusion Flames Using Tunable Diode Laser Absorption Spectroscopy, 100: 430
- Transition to Detonation in Vented Hydrogen-Air Explosions, 103: 243
- 18. FLAME IGNITION OR STABILIZATION**
- Accumulating Sequence of Ignitions from a Propagating Pulse, 100: 465
- Computational and Experimental Studies of Laser-Induced Thermal Ignition in Premixed Ethylene-Oxidizer Mixtures, 103: 253
- Experimental Study and Modeling of Dodecane Ignition in a Diesel Engine, 103: 207
- Gas-Phase Ignition of Accelerated Boundary-Layer Flows on Strongly Catalytic Surfaces, 103: 161
- Ignition and Combustion of Isolated and Binary Array of Coal Particles, 100: 413
- Ignition Problems in Scramjet Testing, 101: 347
- Ignition Process of a Heated Iron Block in High-Pressure Oxygen Atmosphere, 100: 376
- Ignition Simulation of Methane/Hydrogen Mixtures in a Supersonic Mixing Layer, 102: 462
- Mixing Layer Ignition of Hydrogen, 103: 129
- A Numerical Investigation of Extinction and Ignition Limits in Laminar Nonpremixed Counterflowing Hydrogen-Air Streams for Both Elementary and Reduced Chemistry, 102: 329
- On the Structure, Stabilization, and Dual Response of Flat-Burner Flames, 100: 645

- Palladium-Catalyzed Combustion of Methane: Simulated Gas Turbine Combustion at Atmospheric Pressure, 101: 81
- A Rapid Compression Machine Investigation of Oxidation and Auto-Ignition of *n* Heptane: Measurements and Modeling, 102: 298
- Spontaneous Ignition Limits of Silane and Phosphine, 101: 170
- Stimulation of Diesel-Fuel Ignition by Benzyl Radicals, 101: 383
- Time-Resolved Imaging of Flame Kernels: Laser Spark Ignition of H₂/O₂/Ar Mixtures, 102: 310
- 19. FLAME QUENCHING OR EXTINCTION**
- Extinction of Premixed Flames by Pressure Drops, 102: 493
- Extinction of Turbulent Counterflow Flames with Reactants Diluted by Hot Products, 102: 101
- Flammability Limit and Limit-Temperature of Counterflow Lean Methane-Air Flames, 102: 193
- Head-On Quenching of a Premixed Flame by a Cold Wall, 103: 296
- Modeling of Extinction in Turbulent Diffusion Flames by the Velocity-Dissipation-Composition PDF Method, 100: 211
- Nonpremixed Turbulent Reacting Flow Near Extinction, 101: 501
- A Numerical Investigation of Extinction and Ignition Limits in Laminar Nonpremixed Counterflowing Hydrogen-Air Streams for Both Elementary and Reduced Chemistry, 102: 329
- Quenching of Reverse Smolder, 102: 87
- 20. FLAMES: DIFFUSION**
- An Adaptive Optimal Combustion Control Strategy, 100: 101
- The Asymptotic Structure of Inhibited Nonpremixed Methane-Air Flames, 101: 271
- The Asymptotic Structure of Nonpremixed Methane-Air Flames with Oxidizer Leakage of Order Unity, 101: 69
- Buoyancy-Induced Differences in Soot Morphology, 102: 216
- Comparison of PDF and Eddy-Dissipation Combustion Models Applied to a Propane Jet Flame, 102: 209
- Detailed Kinetic Modeling of C₁-C₃ Alkane Diffusion Flames, 102: 129
- Effect of Flame Structure on Soot-Particle Inception in Diffusion Flames, 100: 367
- Effects of Heat Release on the Near Field Flow Structure of Hydrogen Jet Diffusion Flames, 102: 271
- Effects of Oxygen on Soot Formation in Methane, Propane and *n*-Butane Diffusion Flames, 101: 302
- Errors Due to Correlations in Evaluating Mean Density from Favre-Averaged Enthalpy and Composition in Turbulent Reactive Flow, 103: 343
- An Experimental Investigation of Li and SF₆ Wick Combustion, 102: 73
- Experiments on the Interaction between a Vortex and A Strained Diffusion Flame, 100clon 422
- An Evolution Equation Modeling Inversion of Tulip Flames, 100: 450
- Finite-Rate Chemistry and Transient Effects in Direct Numerical Simulations of Turbulent Nonpremixed Flames, 102: 285
- Flamelet Structure of Radiating CH₄-Air Flames, 102: 438
- Fractal and Projected Structure Properties of Soot Aggregates, 100: 621
- Heat Release Timing in a Nonpremixed Helmholtz Pulse Combustor, 100: 251
- Ignition Simulation of Methane/Hydrogen Mixtures in a Supersonic Mixing Layer, 102: 462
- Images of the Two-Dimensional Field and Temperature Gradients to Quantify Mixing Rates within a Non-Premixed Turbulent Jet Flame, 101: 58
- Laser Microprobe Analysis of Soot Precursor Particles and Carbonaceous Soot, 100: 301
- Laser Raman Scattering Measurements of Differential Molecular Diffusion in Turbulent Nonpremixed Jet Flames of H₂/CO₂ Fuel, 100: 153
- Mixing Layer Ignition of Hydrogen, 103: 129
- Modeling of Extinction in Turbulent Diffusion Flames by the Velocity-Dissipation-Composition PDF Method, 100: 211
- Modeling Soot Formation and Burnout in a High Temperature Laminar Diffusion Flame Burning Under Oxygen-Enriched Conditions, 101: 491
- Nanoscale Unagglomerated Nonoxide Particles from a Sodium Coflow Flame, 100: 350

Nonpremixed Flames in Stagnating Turbulence
Part I—The $\bar{\kappa}$ - $\bar{\epsilon}$ Theory with Equilibrium
Chemistry for the Methane–Air System,
102: 341

Nonpremixed Turbulent Reacting Flow Near
Extinction, 101: 501

Numerical Investigation of Chemical Reaction-
Turbulence Interaction in Compressible
Shear Layers, 101: 197

Numerical Modeling of Turbulent Jet Diffusion
Flames in the Atmospheric Surface Layer,
101: 113

On the Structure of a Stretched/Compressed
Laminar
Flamelet—Influence of Preferential Diffusion,
100: 61

Predictions of Wind-Opposed Flame Spread
Rates and Energy Feedback Analysis for
Charring Solids in a Microgravity Environ-
ment, 100: 332

Premixed and Diffusion Flames in a Centrifuge,
102: 501

Response of Counterflow Diffusion Flames to
Oscillating Strain Rates, 100: 21

The Role of Ferrocene in Flame Synthesis of
Silica, 101: 529

Similarity Solutions and Applications to
Turbulent Upward Flame Spread on
Noncharring Materials, 102: 357

Similitude and the Interpretation of Turbulent
Diffusion Flames, 101: 175

Soot Formation in Strained Diffusion Flames
with Gaseous Additives, 102: 11

Soot Formation in Weakly Buoyant Acetylene-
Fueled Laminar Jet Diffusion Flames
Burning in Air, 100: 310

Stretched Laminar Flamelet Modelong of
Turbulent Chloromethane–Air Nonpre-
mixed Jet Flames, 103: 328

Structural Response of Counterflow Diffusion
Flames to Strain Rate Variations, 102: 481

Structures Induced by Periodic Acoustic
Excitation of a Diffusion Flame, 103: 151

A Study of Carbon Monoxide in a Series of
Laminar Ethylene/Air Diffusion Flames
Using Tunable Diode Laser Absorption
Spectroscopy, 100: 430

Three-Dimensional Numerical Simulations
of Unsteady Reactive Square Jets,
100: 2

Turbulent Forced Diffusion Flames, 102: 170

21. FLAMES: NONSTEADY

Experimental Investigation of Deflagration to
Detonation Transition in Hydrocarbon–Air
Gaseous Mixtures, 100: 661

Heat Release Timing in a Nonpremixed
Helmholtz Pulse Combustor, 100: 251

On the Oscillation of Combustion of a Laminar
Spray, 100: 543

Supercritical Burning of Liquid Oxygen (LOX)
Droplet with Detailed Chemistry, 101: 153

Three-Dimensional Numerical Simulations of
Unsteady Reactive Square Jets, 100: 2

The Transient Response of Strained Laminar-
Premixed Flames, 102: 401

Unsteady Combustion of Homogeneous
Energetic Solids Using the Laser-Recoil
Method, 100: 283

22. FLAMES: PREMIXED

Burning Velocities and Flammability Limits of
Gaseous Mixtures at Elevated Temperatures
and Pressures, 102: 427

Burning Velocities of Multicomponent Organic
Fuel Mixtures Derived from Various Coals,
101: 399

Burning Velocity of the Heterogeneous Flame
Propagation in the SHS Process Expressed
in Explicit Form, 101: 551

Characterization of Flame Front Surfaces in
Turbulent Premixed Methane/Air Combus-
tion, 101: 462

Chemical Closure and Burning Rates in
Premixed Turbulent Flames, 100: 202

Collision of a Shock Wave with Obstacles in a
Combustible Mixture, 100: 341

Combustion Chemistry in Premixed $C_2F_4-O_2$
Flames, 100: 529

Comment on “Laminar Burning Velocities and
Markstein Numbers of Hydrocarbon/Air
Flames” by L.-K. Tseng, M. A. Ismail, and
G. M. Faeth, 102: 523

Comparison of Species Profiles between O_2
and NO_2 Oxidizers in Premixed Methane
Flames, 100: 571

Comparisons of the Soot Volume Fraction,
Using Gravimetric and Light Extinction
Techniques, 102: 161

Computational and Experimental Studies
of Laser-Induced Thermal Ignition in
Premixed Ethylene-Oxidizer Mixtures,
103: 253

- The Coupling of Conical Wrinkled Laminar Flames with Gravity, 103: 22
- A Direct Comparison of Pair-Exchange and IEM Models in Premixed Combustion, 103: 194
- Effect of Nonunity Lewis Number on Premixed Flame Propagation through Isotropic Turbulence, 101: 428
- Effect of Unsteady Stretch Rate on OH Chemistry during a Flame-Vortex Interaction, 100: 323
- Elementary Reaction Models and Correlations for Burning Velocities of Multicomponent Organic Fuel Mixtures, 101: 411
- Experimental and Numerical Comparison of Extractive and In Situ Laser Measurements of Non-Equilibrium Carbon Monoxide in Lean-Premixed Natural Gas Combustion, 100: 395
- An Experimental Realization of Premixed Methane/Air Cylindrical Flames, 102: 519
- Experimental Study of Premixed Flames in Intense Isotropic Turbulence, 100: 485
- Fullerenes Versus Soot in Benzene Flames, 101: 548
- Head-On Quenching of a Premixed Flame by a Cold Wall, 103: 296
- Heat Release and Induced Strain in Premixed Flames, 103: 1
- Hydrodynamic Aspects of Premixed Flame Stripes in Two-Dimensional Stagnation-Point Flows, 101: 441
- In-Cylinder Measurement of Mixture Maldistribution in an L-Head Engine, 101: 45
- Inner Cutoff Scale of Flame Surface Wrinkling in Turbulent Premixed Flames, 103: 107
- The Interplay of Transport, Kinetics, and Thermal Interactions in the Stability of Premixed Hydrogen/Air Flames Near Surfaces, 103: 59
- Lewis Number Effects on Premixed Flames Interacting with Turbulent Kármán Vortex Streets, 100: 161
- Nonintrusive Stabilization of a Conical Detonation Wave for Supersonic Combustion, 103: 281
- Numerical Studies on the Structure of Two-Dimensional H₂/Air Premixed Jet Flame, 102: 21
- On Non-Huygens Flame Configuration in Stagnation Flow, 103: 247
- On the Structure, Stabilization, and Dual Response of Flat-Burner Flames, 100: 645
- Phase Averaging of the Precessing Vortex Core in a Swirl Burner under Piloted and Premixed Combustion Conditions, 100: 407
- Premixed and Diffusion Flames in a Centrifuge, 102: 501
- Premixed Flame Effects on Turbulence and Pressure-Related Terms, 102: 447
- Response to Comment by S. C. Taylor and D. B. Smith on "Laminar Burning Velocities and Markstein Numbers of Hydrocarbon/Air Flames, 102: 526
- Quantitative LIF Measurements and Modeling of Nitric Oxide in High-Pressure C₂H₄/O₂/N₂ Flames, 101: 141
- Spontaneous Ignition Limits of Silane and Phosphine, 101: 170
- Stoichiometric Flames and Their Stability, 101: 15
- The Structure of a Stoichiometric Cl₄-CH₄-Air Flat Flame, 101: 101
- Superadiabatic Combustion of Methane Air Mixtures under Filtration in a Packed Bed, 100: 221
- Time-Resolved Imaging of Flame Kernels: Laser Spark Ignition of H₂/O₂/Ar Mixtures, 102: 310
- The Transient Response of Strained Laminar-mixed Flames, 102: 401
- Upstream Interactions between Planar Symmetric Laminar Methane Premixed Flames, 101: 360
- Velocity and Scalar Characteristics of Premixed Turbulent Flames Stabilized by Weak Swirl, 101: 1
23. FLAMES: TURBULENT
- An Adaptive Optimal Combustion Control Strategy, 100: 101
- Air Entrainment Flow Field Induced by a Pool Fire, 100: 52
- Characterization of Flame Front Surfaces in Turbulent Premixed Methane/Air Combustion, 101: 462
- Chemical Closure and Burning Rates in Premixed Turbulent Flames, 100: 202
- Comparison of PDF and Eddy-Dissipation Combustion Models Applied to a Propane Jet Flame, 102: 209
- The Coupling of Conical Wrinkled Laminar Flames with Gravity, 103: 22
- A Direct Comparison of Pair-Exchange and IEM Models in Premixed Combustion, 103: 194

- Effect of Nonunity Lewis Number on Premixed Flame Propagation through Isotropic Turbulence, 101: 428
- Effect of Unsteady Stretch Rate on OH Chemistry during a Experiments on the Interaction between a Vortex and A Strained Diffusion Flame, 100: 422
- Effects of Heat Release on the Near Field Flow Structure of Hydrogen Jet Diffusion Flames, 102: 271
- Errors Due to Correlations in Evaluating Mean Density from Favre-Averaged Enthalpy and Composition in Turbulent Reactive Flow, 103: 343
- Experimental Study of Premixed Flames in Intense Isotropic Turbulence, 100: 485
- Extinction of Turbulent Counterflow Flames with Reactants Diluted by Hot Products, 102: 101
- Finite-Rate Chemistry and Transient Effects in Direct Numerical Simulations of Turbulent Nonpremixed Flames, 102: 285
- Flame Propagation through Periodic Vortices, 100: 359
- Heat Release and Induced Strain in Premixed Flames, 103: 1
- Images of the Two-Dimensional Field and Temperature Gradients to Quantify Mixing Rates within a Non-Premixed Turbulent Jet Flame, 101: 58
- Inner Cutoff Scale of Flame Surface Wrinkling in Turbulent Premixed Flames, 103: 107
- Laser Raman Scattering Measurements of Differential Molecular Diffusion in Turbulent Nonpremixed Jet Flames of H_2/CO_2 Fuel, 100: 153
- Lewis Number Effects on Premixed Flames Interacting with Turbulent Kármán Vortex Streets, 100: 161
- Mixing Characteristics of Compressible Vortex Rings Interacting with Normal Shock Waves, 100: 232
- Modeling of Extinction in Turbulent Diffusion Flames by the Velocity-Dissipation-Composition PDF Method, 100: 211
- Modeling Variable Density Effects in Turbulent Flames—Some Basic Considerations, 102: 371
- Nonpremixed Flames in Stagnating Turbulence Part I—The $\bar{\kappa}$ - $\bar{\epsilon}$ Theory with Equilibrium Chemistry for the Methane-Air System, 102: 341
- Nonpremixed Turbulent Reacting Flow Near Extinction, 101: 501
- Numerical Investigation of Chemical Reaction-Turbulence Interaction in Compressible Shear Layers, 101: 197
- Numerical Modeling of Turbulent Jet Diffusion Flames in the Atmospheric Surface Layer, 101: 113
- On Knocking Prediction in Spark Ignition Engines, 101: 239
- On Non-Huygens Flame Configuration in Stagnation Flow, 103: 247
- Phase Averaging of the Precessing Vortex Core in a Swirl Burner under Piloted and Premixed Combustion Conditions, 100: 407
- Predictions of Turbulent, Premixed Flame Propagation in Explosion Tubes, 102: 115
- Similitude and the Interpretation of Turbulent Diffusion Flames, 101: 175
- Strained Dissipation and Reaction Layer Analyses of Nonequilibrium Chemistry in Turbulent Reaction Flows, 100: 457
- Turbulent Forced Diffusion Flames, 102: 170
- Turbulent Velocity and Temperature Measurements from a Gas-Field Technology Combustor with a Practical Fuel Injector, 100: 185
- Velocity and Scalar Characteristics of Premixed Turbulent Flames Stabilized by Weak Swirl, 101: 1
- ## 24. FLAMMABILITY
- Burning Velocities and Flammability Limits of Gaseous Mixtures at Elevated Temperatures and Pressures, 102: 427
- ## 25. FLUID DYNAMICS: STEADY FLOW
- Numerical Modeling of Combustion Processes Induced by a Supersonic Conical Blunt Body, 100: 85
- Premixed and Diffusion Flames in a Centrifuge, 102: 501
- ## 26. FLUID DYNAMICS: NONSTEADY AND INSTABILITY
- Deflagration to Detonation Transition in Combustible Gas Mixtures, 101: 91
- Effect of Unsteady Stretch Rate on OH Chemistry during a Flame-Vortex Interaction, 100: 323
- Gas-Phase Ignition of Accelerated Boundary-Layer Flows on Strongly Catalytic Surfaces, 103: 161
- Hydrodynamic Aspects of Premixed Flame Stripes in Two-Dimensional Stagnation-Point Flows, 101: 441

- In-Cylinder Measurement of Mixture Maldistribution in an L-Head Engine, 101: 45
 The Interplay of Transport, Kinetics, and Thermal Interactions in the Stability of Premixed Hydrogen/Air Flames Near Surfaces, 103: 59
 On the Structure of a Stretched/Compressed Laminar Flamelet—Influence of Preferential Diffusion, 100: 61
 Phase Averaging of the Precessing Vortex Core in a Swirl Burner under Piloted and Premixed Combustion Conditions, 100: 407
 Stability of Hypersonic Reacting Stagnation Flow of a Detonatable Gas Mixture by Dynamical Systems Analysis, 103: 311
 Supercritical Burning of Liquid Oxygen (LOX) Droplet with Detailed Chemistry, 101: 153
- 27. FLUID DYNAMICS: TURBULENT**
 Air Entrainment Flow Field Induced by a Pool Fire, 100: 52
 In-Cylinder Measurement of Mixture Maldistribution in an L-Head Engine, 101: 45
 Lewis Number Effects on Premixed Flames Interacting with Turbulent Kármán Vortex Streets, 100: 161
 Mixing Characteristics of Compressible Vortex Rings Interacting with Normal Shock Waves, 100: 232
 Modeling Variable Density Effects in Turbulent Flames—Some Basic Considerations, 102: 371
 Numerical Investigation of Chemical Reaction-Turbulence Interaction in Compressible Shear Layers, 101: 197
 Phase Averaging of the Precessing Vortex Core in a Swirl Burner under Piloted and Premixed Combustion Conditions, 100: 407
 Similitude and the Interpretation of Turbulent Diffusion Flames, 101: 175
 Strained Dissipation and Reaction Layer Analyses of Nonequilibrium Chemistry in Turbulent Reaction Flows, 100: 457
 Velocity and Scalar Characteristics of Premixed Turbulent Flames Stabilized by Weak Swirl, 101: 1
- 28. FUELS, OXIDIZERS AND ADDITIVES, NONCONVENTIONAL**
 The Asymptotic Structure of Inhibited Nonpremixed Methane-Air Flames, 101: 271
 Burning Velocity of the Heterogeneous Flame Propagation in the SHS Process Expressed in Explicit Form, 101: 551
 An Experimental Investigation of Li and SF₆ Wick Combustion, 102: 73
 Supercritical Burning of Liquid Oxygen (LOX) Droplet with Detailed Chemistry, 101: 153
- 29. HETEROGENEOUS COMBUSTION: AEROSOLS, SPRAYS AND AIRBORNE DUSTS**
 Biosludge Incineration in FBCs: Behavior of Ash Particles, 100: 121
 Flame Propagation in Metal Slurry Sprays, 100: 605
 Nanoscale Unagglomerated Nonoxide Particles from a Sodium Coflow Flame, 100: 350
 Nonoxide Ceramic Powder Synthesis, 100: 144
 A Numerical Investigation of Multiple Flame Configurations in Convective Droplet Gasification, 103: 221
 On the Oscillation of Combustion of a Laminar Spray, 100: 543
 The Role of Ferrocene in Flame Synthesis of Silica, 101: 529
 Surface Phenomena in Aluminum Combustion, 101: 378
 Turbulent Velocity and Temperature Measurements from a Gas-Field Technology Combustor with a Practical Fuel Injector, 100: 185
- 30. HETEROGENEOUS COMBUSTION: CATALYTIC COMBUSTION**
 Gas-Phase Ignition of Accelerated Boundary-Layer Flows on Strongly Catalytic Surfaces, 103: 161
 Palladium-Catalyzed Combustion of Methane: Simulated Gas Turbine Combustion at Atmospheric Pressure, 101: 81
 Perturbation Analysis of a Catalytic Combustor, 102: 205
 Similarity Solutions and Applications to Turbulent Upward Flame Spread on Noncharring Materials, 102: 357
- 31. HETEROGENEOUS COMBUSTION: COAL, CHAR OR CARBON**
 Burning Velocities of Multicomponent Organic Fuel Mixtures Derived from Various Coals, 101: 399
 Characterizing fuels for Atmospheric Fluidized Bed Combustion, 103: 41
 Char Oxidation at Elevated Pressures, 100: 669

- Decreases in the Swelling and Porosity of Bituminous Coals during Devolatilization at High Heating Rates, 100: 94
- The Devolatilization of Coal and a Comparison of Chars Produced in Oxidizing and Inert Atmospheres in Fluidized Beds, 100: 591
- Devolatilization of Coal Particles in a Flat Flame—Experimental and Modeling Study, 103: 115
- A Drop Tube Furnace Study of Coal Combustion and Unburned Carbon Content Using Optical Techniques, 101: 539
- Effect of Agglomeration on Pulverized-Coal Combustion, 101: 185
- The Effects of Pressure, Oxygen Partial Pressure, and Temperature on the Formation of N_2O , NO , and NO_2 from Pulverized Coal, 102: 387
- Elementary Reaction Models and Correlations for Burning Velocities of Multicomponent Organic Fuel Mixtures, 101: 411
- Evaluation of a Dimensionless Group Number to Determine Second-Einstein Temperatures in a Heat Capacity Model for All Coal Ranks, 101: 209
- Evolution of Char Chemistry, Crystallinity, and Ultrafine Structure During Pulverized-Coal Combustion, 100: 31
- Experimental Determination of the Equivalent Mass Diffusivity for a Porous Coal-Ash Particle, 101: 371
- Fluidized Bed Feeding of Carbon Black Particles, 103: 239
- Geometric Effects on Mass Transfer during Thermogravimetric Analysis: Application to Reactivity of Diesel Soot, 102: 471
- Ignition and Combustion of Isolated and Binary Array of Coal Particles, 100: 413
- Ignition and Combustion of Single, Levitated Char Particles, 103: 181
- Observation of Nonuniform Shrinkage and Activation of Highly Porous Chars during Combustion in an Improved Electrodynamic Chamber, 101: 452
- Parametric Study of a Carbon Black Oil Furnace, 103: 76
- The Partitioning of Iron during the Combustion of Pulverized Coal, 100: 262
- Predicting the Devolatilization Behavior of any Coal from Its Ultimate Analysis, 100: 384
- Predictions of Wind-Opposed Flame Spread Rates and Energy Feedback Analysis for Charring Solids in a Microgravity Environment, 100: 332
- Soot Formation in Weakly Buoyant Acetylene-Fueled Laminar Jet Diffusion Flames Burning in Air, 100: 310
- Structural and Compositional Transformations of Biomass Chars during Combustion, 100: 131
- Transient Numerical Modeling of Carbon Particle Ignition and Oxidation, 101: 387
- 32. HETEROGENEOUS COMBUSTION: SINGLE DROPLET OR PARTICLE**
- Characterizing fuels for Atmospheric Fluidized Bed Combustion, 103: 41
- Devolatilization of Coal Particles in a Flat Flame—Experimental and Modeling Study, 103: 115
- Droplet Ignition and Combustion Including Liquid-Phase Heating, 102: 1
- Effect of Agglomeration on Pulverized-Coal Combustion, 101: 185
- Geometric Effects on Mass Transfer during Thermogravimetric Analysis: Application to Reactivity of Diesel Soot, 102: 471
- Ignition and Combustion of Single, Levitated Char Particles, 103: 181
- NO_x and N_2O in Lean-Premixed Jet-Stirred Flames, 100: 440
- Nonideal Vaporization of Dilating Binary Droplets with Radiation Absorption, 101: 36
- A Numerical Investigation of Multiple Flame Configurations in Convective Droplet Gasification, 103: 221
- Observation of Nonuniform Shrinkage and Activation of Highly Porous Chars during Combustion in an Improved Electrodynamic Chamber, 101: 452
- Supercritical Burning of Liquid Oxygen (LOX) Droplet with Detailed Chemistry, 101: 153
- Surface Phenomena in Aluminum Combustion, 101: 378
- Suspended Droplet Evaporation Modeling in a Laminar Convective Environment, 102: 256
- 33. HETEROGENEOUS COMBUSTION: SLAB, POOL, FLUIDIZED BED, ETC.**
- The Behavior of Flames Spreading Over Thin Solids in Microgravity, 100: 71
- Biosludge Incineration in FBCs: Behavior of Ash Particles, 100: 121
- Burning Velocity of the Heterogeneous Flame

- Propagation in the SHS Process Expressed in Explicit Form, 101: 551
- Characterizing fuels for Atmospheric Fluidized Bed Combustion, 103: 41
- Combustion Characteristics of GAP-Coated Boron Particles and the Fuel-Rich Solid Propellant, 100: 634
- The Decomposition Flame of Hydrazine in Inert Porous Media, 103: 143
- The Devolatilization of Coal and a Comparison of Chars Produced in Oxidizing and Inert Atmospheres in Fluidized Beds, 100: 591
- Effects of Solid-Phase Properties on Flames Spreading over Composite Materials, 102: 229
- An Experimental Investigation of Li and SF₂ Wick Combustion, 102: 73
- Flame Spread over Thin Solid Fuels in Partially Premixed Atmospheres, 100: 474
- Geometric Effects on Mass Transfer during Thermogravimetric Analysis: Application to Reactivity of Diesel Soot, 102: 471
- Ignition Process of a Heated Iron Block in High-Pressure Oxygen Atmosphere, 100: 376
- Pyrolysis and Combustion of Corncobs in a Fluidized Bed: Measurement and Analysis of Behavior, 100: 271
- Superadiabatic Combustion of Methane Air Mixtures under Filtration in a Packed Bed, 100: 221
- Unsteady Combustion of Homogeneous Energetic Solids Using the Laser-Recoil Method, 100: 283
- 34. INHIBITION**
Inhibiting Effect of Brominated Compounds on Oxidation Reactions, 103: 339
- 35. IONIZATION AND/OR ELECTRICAL EFFECTS**
Fullerenes Versus Soot in Benzene Flames, 101: 548
- 36. KINETICS AND/OR REACTION MECHANISMS: DETAILED**
Burning Velocities and Flammability Limits of Gaseous Mixtures at Elevated Temperatures and Pressures, 102: 427
- Chemical Kinetic Moulding of Exhaust Hydrocarbon Oxidation, 100: 193
- Collision of a Shock Wave with Obstacles in a Combustible Mixture, 100: 341
- Combustion Chemistry in Premixed C₂F₄-O₂ Flames, 100: 529
- Comparison of Species Profiles between O₂ and NO₂ Oxidizers in Premixed Methane Flames, 100: 571
- Computational and Experimental Studies of Laser-Induced Thermal Ignition in remixed Ethylene-Oxidizer Mixtures, 103: 253
- Detailed Kinetic Modeling of C₁-C₃Alkane Diffusion Flames, 102: 129
- Detailed Modeling of Soot Formation in Laminar Premixed Ethylene Flames at a Pressure of 10 Bar, 100: 111
- Effect of Flame Structure on Soot-Particle Inception in Diffusion Flames, 100: 367
- The Effect of Phosphorus Chemistry on Recombination Losses in a Supersonic Nozzle, 102: 55
- The Effects of Pressure, Oxygen Partial Pressure, and Temperature on the Formation of N₂O, NO, and NO₂ from Pulverized Coal, 102: 387
- Elementary Reaction Models and Correlations for Burning Velocities of Multicomponent Organic Fuel Mixtures, 101: 411
- Experimental Study of the Oxidation of *n*-Heptane in a Jet Stirred Reactor from Low to High Temperature and Pressures up to 40 Atm, 101: 132
- The Homogeneous, Gas-Phase Formation of Chlorinated and Brominated Dibenz-p-dioxin from 2,4,6-Trichloro- and 2,4,6-Tribromophenols, 100: 11
- Ignition Problems in Scramjet Testing, 101: 347
- Inhibiting Effect of Brominated Compounds on Oxidation Reactions, 103: 339
- The Interplay of Transport, Kinetics, and Thermal Interactions in the Stability of Premixed Hydrogen/Air Flames Near Surfaces, 103: 59
- Kinetic Interactions of CO, NO_x, and HCl Emissions in Postcombustion Gases, 100: 495
- Kinetic Modeling and Sensitivity Analysis for B/H/O/C/F Combination Systems, 101: 221
- Kinetics of the Phenyl Radical Reaction with Ethylene: An RRKM Theoretical Analysis of Low and High Temperature Data, 100: 169
- Laser Ionization Time-of-Flight Mass Spectrometry Combined with Residual Gas Analysis for the Investigation of Moderate Temperature Benzene Oxidation, 100: 41

- Low-Temperature Combustion: Automatic Generation of Primary Oxidation Reactions and Lumping Procedures, 102: 179
- Mathematically Reduced Reaction Mechanisms Applied to Adiabatic Flat Hydrogen/Air Flames, 100: 559
- Mechanism of Sulfur Chemiluminescent Emission in Pulsed Flames, 100: 550
- A Numerical Investigation of Extinction and Ignition Limits in Laminar Nonpremixed Counterflowing Hydrogen-Air Streams for Both Elementary and Reduced Chemistry, 102: 329
- On Knocking Prediction in Spark Ignition Engines, 101: 239
- The Removal of NO by Low-Temperature O₃ Oxidation, 102: 512
- Quantitative LIF Measurements and Modeling of Nitric Oxide in High-Pressure C₂H₄/O₂/N₂ Flames, 101: 141
- A Rapid Compression Machine Investigation of Oxidation and Auto-Ignition of *n* Heptane: Measurements and Modeling, 102: 298
- Reduction of a Phosphorus Oxide and Acid Reaction Set, 102: 41
- Singlet Methylene Removal by Saturated and Unsaturated Hydrocarbons, 100: 653
- Stretched Laminar Flamelet Modelong of Turbulent Chloromethane-Air Nonpremixed Jet Flames, 103: 328
- Supercritical Burning of Liquid Oxygen (LOX) Droplet with Detailed Chemistry, 101: 153
- Thermal Decomposition of Propargyl Bromide and the Subsequent Formation of Benzene, 100: 177
- A Wide-Range Modeling Study of *n*-Heptane Oxidation, 103: 91
- 37. KINETICS AND/OR REACTION MECHANISMS: OVERALL**
- Analytical Approximations for Structures of Wet CO Flames with One-Step Reduced Chemistry, 101: 287
- The Asymptotic Structure of Inhibited Nonpremixed Methane-Air Flames, 101: 271
- Flamelet Structure of Radiating CH₄-Air Flames, 102: 438
- Flammability Limit and Limit-Temperature of Counterflow Lean Methane-Air Flames, 102: 193
- Ignition Problems in Scramjet Testing, 101: 347
- Low-Temperature Combustion: Automatic Generation of Primary Oxidation Reactions and Lumping Procedures, 102: 179
- Spontaneous Ignition Limits of Silane and Phosphine, 101: 170
- The Structure of a Stoichiometric Cl₄-CH₄-Air Flat Flame, 101: 101
- Transient Numerical Modeling of Carbon Particle Ignition and Oxidation, 101: 387
- Upstream Interactions between Planar Symmetric Laminar Methane Premixed Flames, 101: 360
- A Wide-Range Modeling Study of *n*-Heptane Oxidation, 103: 91
- 38. POLLUTANTS: INORGANICS AND SOOT**
- Buoyancy-Induced Differences in Soot Morphology, 102: 216
- Comparisons of the Soot Volume Fraction Using Gravimetric and Light Extinction Techniques, 102: 161
- Detailed Modeling of Soot Formation in Laminar Premixed Ethylene Flames at a Pressure of 10 Bar, 100: 111
- Effect of Flame Structure on Soot-Particle Inception in Diffusion Flames, 100: 367
- Effects of Oxygen on Soot Formation in Methane, Propane and *n*-Butane Diffusion Flames, 101: 302
- Effects of PAH Isomerizations on Mutagenicity of Combustion Products, 101: 262
- The Effects of Rapid Heating of Soot: Implications When Using Laser-Induced Incandescence for Soot Diagnostics, 102: 200
- Experimental and Numerical Comparison of Extractive and In Situ Laser Measurements of Non-Equilibrium Carbon Monoxide in Lean-Premixed Natural Gas Combustion, 100: 395
- Fractal and Projected Structure Properties of Soot Aggregates, 100: 621
- Kinetic Interactions of CO, NO_x, and HCl Emissions in Postcombustion Gases, 100: 495
- Laser Microprobe Analysis of Soot Precursor Particles and Carbonaceous Soot, 100: 301
- Modeling Soot Formation and Burnout in a High Temperature Laminar Diffusion Flame Burning Under Oxygen-Enriched Conditions, 101: 491
- The Role of Ferrocene in Flame Synthesis of Silica, 101: 529
- Soot Formation in Strained Diffusion Flames with Gaseous Additives, 102: 11

- 38. SOOT AND CARBON MONOXIDE**
- Soot Formation in Weakly Buoyant Acetylene-Fueled Laminar Jet Diffusion Flames Burning in Air, 100: 310
 - Sorbent Capture of Nickel, Lead, and Cadmium in a Laboratory Swirl Flame Incinerator, 100: 241
- 39. POLLUTANTS: NO_x**
- The Devolatilization of Coal and a Comparison of Chars Produced in Oxidizing and Inert Atmospheres in Fluidized Beds, 100: 591
 - The Effects of Pressure, Oxygen Partial Pressure, and Temperature on the Formation of N₂O, NO, and NO₂ from Pulverized Coal, 102: 387
 - Kinetic Interactions of CO, NO_x, and HCl Emissions in Postcombustion Gases, 100: 495
 - Modeling of Nitric Oxide Formation in Spark Ignition Engines with a Multizone Burned Gas, 102: 241
 - NO_x and N₂O in Lean-Premixed Jet-Stirred Flames, 100: 440
 - The Removal of NO by Low-Temperature O₂ Oxidation, 102: 512
 - On the Structure of a Stretched/Compressed Laminar Flamelet—Influence of Preferential Diffusion, Palladium-Catalyzed Combustion of Methane: Simulated Gas Turbine Combustion at Atmospheric Quantitative LIF Measurements and Modeling of Nitric Oxide in High-Pressure C₂H₄/O₂/N₂ Flames, 101: 141
- 40. POLLUTANTS: OTHER**
- Chemical Kinetic Moulding of Exhaust Hydrocarbon Oxidation, 100: 193
 - Effects of PAH Isomerizations on Mutagenicity of Combustion Products, 101: 262
 - NO_x and N₂O in Lean-Premixed Jet-Stirred Flames, 100: 440
 - On the Structure of a Stretched/Compressed Laminar Flamelet—Influence of Preferential Diffusion, 100: 61
 - Sorbent Capture of Nickel, Lead, and Cadmium in a Laboratory Swirl Flame Incinerator, 100: 241
 - Stretched Laminar Flamelet Modelong of Turbulent Chloromethane-Air Nonpremixed Jet Flames, 103: 328
- 41. PROPELLANTS: PYROTECHNICS AND EXPLOSIVES**
- A Study of Carbon Monoxide in a Series of Laminar Ethylene/Air Diffusion Flames Using Tunable Diode Laser Absorption Spectroscopy, 100: 430
 - The Decomposition Flame of Hydrazine in Inert Porous Media, 103: 143
 - Hot Spot Histories in Energetic Materials, 101: 26
 - Kinetic Parameters of Composite Propellants from Thermogravimetric Data, 102: 219
 - Quasi-Steady Combustion Modeling of Homogeneous Solid Propellants, 103: 11
 - Shock Initiation Studies of Ammonium Nitrate Explosives, 102: 64
 - Thermal Decomposition of Energetic Materials 67.
 - Hydrazinium Nitroformate (HNF) Rates and Pathways under Combustionlike Conditions, 102: 418
 - Unsteady Combustion of Homogeneous Energetic Solids Using the Laser-Recoil Method, 100: 283
- 42. PYROLYSIS AND THERMAL DECOMPOSITION**
- Decreases in the Swelling and Porosity of Bituminous Coals during Devolatilization at High Heating Rates, 100: 94
 - The Devolatilization of Coal and a Comparison of Chars Produced in Oxidizing and Inert Atmospheres in Fluidized Beds, 100: 591
 - Experimental Determination of the Equivalent Mass Diffusivity for a Porous Coal-Ash Particle, 101: 371
 - Fullerenes Versus Soot in Benzene Flames, 101: 548
 - The Homogeneous, Gas-Phase Formation of Chlorinated and Brominated Dibenz-p-dioxin from 2,4,6-Trichloro- and 2,4,6-Tribromophenols, 100: 11
 - Low-Temperature Combustion: Automatic Generation of Primary Oxidation Reactions and Lumping Procedures, 102: 179
 - Observation of Nonuniform Shrinkage and Activation of Highly Porous Chars during Combustion in an Improved Electrodynamic Chamber, 101: 452

- Predicting the Devolatilization Behavior of any Coal from Its Ultimate Analysis, 100: 384
- Pyrolysis and Combustion of Corncobs in a Fluidized Bed: Measurement and Analysis of Behavior, 100: 271
- Thermal Decomposition of Energetic Materials 67.
- Hydrazinium Nitroformate (HNF) Rates and Pathways under Combustionlike Conditions, 102: 418
- Thermal Decomposition of Propargyl Bromide and the Subsequent Formation of Benzene, 100: 177
- 43. RADIATION SPECTRA AND EXCITED SPECIES**
- Flamelet Structure of Radiating CH_4 —Air Flames, 102: 438
- Mechanism of Sulfur Chemiluminescent Emission in Pulsed Flames, 100: 550
- Nonideal Vaporization of Dilating Binary Droplets with Radiation Absorption, 101: 36
- 44. SMOLDERING AND LOW TEMPERATURE OXIDATION** NONE
- Propagation and Extinction of Forced Opposed Flow Smolder Waves, 101: 471
- Quenching of Reverse Smolder, 102: 87
- 45. THERMOCHEMISTRY AND THERMODYNAMICS**
- The Effect of Phosphorus Chemistry on ecombination Losses in a Supersonic Nozzle, 102: 55
- Evaluation of a Dimensionless Group Number to Determine Second-Einstein Temperstures in a Heat Capacity Model for All Coal Ranks, 101: 209
- Nonideal Vaporization of Dilating Binary Droplets with Radiation Absorption, 101: 36
- Thermodynamics of Gas Phase Chromium Species: The Chromium Chlorides, Oxychlorides, Fluorides, Oxyfluorides, Hydroxides, Oxyhydroxides, Mixed Oxyfluorochlorohydroxides, and Volatility Calculations in Waste Incineration Processes, 101: 311
- 46. TRANSPORT OF HEAT AND MASS**
- Droplet Ignition and Combustion Including Liquid- Phase Heating, 102: 1
- Geometric Effects on Mass Transfer during Thermogravimetric Analysis: Application to Reactivity of Diesel Soot, 102: 471